

SEQUENCE LISTING

<110> Rosen, Steven
Hemmerich, Stefan

<120> Novel Glycosyl Sulfotransferases GST-4 α , GST-4 β , & GST-6

<130> 6510-138US1

<150> 60/144,694

<151> 1999-07-20

<160> 23

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1989

<212> DNA

<213> mus musculus

<400> 1

ctcgagcact	gttggcctac	tggaccaccg	actgagcggc	tctttgtgtg	cgccctgggt	60
gcgcagcgca	gaagcgcgagc	gggcagcgca	ggccctagcc	agaggtatgc	ggctaccccg	120
tttctccagc	actgtcatgc	tttcgctcct	gatggtacag	actggcatcc	tggctcttct	180
ggtctcccg	caagtgccat	cgccccagc	aggccttggg	gagcgtgtgc	acgtgctggg	240
actgtcctcg	tggcgctcgg	gctcgtcctt	cgtgggccag	ctcttcagcc	aacaccccg	300
tgtcttctac	ctgatggagc	cggcttggca	cgtctgggat	acgttgctgc	agggcagtgc	360
ccccgcactc	cacatggccg	tgcgtgacct	gatccgctca	gtgttcctat	gcgacatgga	420
cgtatttgat	gcctacctgc	cctggcgccg	caacatctcg	gatctcttcc	agtgggagg	480
gagccgcgca	ttgtgtcac	ctccggtctg	cgaagccttc	gctcgtggca	acatcagcag	540
cgaggagggtg	tgttaagcctc	tgtgcgcaac	gcggcccttc	ggcctggctc	aggaagcctg	600
cagctcctat	agtcacgtcg	tgtcaagga	ggtgcgcttc	tttaacctac	aggtgctcta	660
cccgtgctc	agcgaccctg	cgtcaacct	gcgcctcgtg	cacctagtgc	gcgaccccg	720
ggcgtgctg	cgtccccgag	agcagacagc	caaggcgctg	gcacgggaca	atggcatcgt	780
cctgggtacc	aacggcacgt	gggtggaggc	ggacccccgg	ctgcgcgtgg	tcaacgaggt	840
atgccgcagc	catgtgcgca	tgcagaggc	agccttgca	aagccgccgc	ccttcttgca	900
agatcgctac	cgccctgggtg	gctacgagga	tctggcccgg	gacccactca	ccgtaatccg	960
tgaactctat	gccttcaccg	gcctgggtct	cacgcgcgag	ctccagactt	ggatccacaa	1020
tatcacgcat	ggttcagggc	caggcgcgcg	ccgtgaagcc	ttcaagacca	catccaggga	1080
tgcgctcagt	gtatcccagg	cctggcgcca	cacgctgccc	tttgccaaga	ttcgccgggt	1140
ccaggaactg	tgcgggggtg	cactgcagct	gctgggttac	cggctctgtg	attcgagagct	1200
tgagcaaagg	gacctctctc	tggacctcct	gctgccaaga	ggcatggaca	gtttcaagtg	1260
ggcatcgctc	acggagaagc	aaccgggaatc	ttagaatttt	agtggagaga	cccagctata	1320
acattagggt	ctattggagt	atgataaaga	aggggcttgg	agaacccaaa	agcaagtagc	1380
tgggagtgtg	agtgatcttg	tctgtacta	ggaaaggatg	gagtcctaat	cccacatctc	1440
tttctgtcca	gattgtagtt	ttcggttggg	tcttttaggg	tttgattcc	caccaagtac	1500
tatcgaatgg	aaagcaaaaag	ctgtgcccac	ttccttcaga	gaggcagcca	gcctcctact	1560
aaagcacttc	ctttctcggt	gactctctcc	cctctttgat	cataccatgc	aatcgagag	1620
aatgggggtcc	caggcctgct	ctggagtgcg	ggaaaggcgc	ggctgtgggc	tggctcctaa	1680
aatctgtgca	cctgcctctc	gttggctcac	ccagacctct	gctcactgcc	acgccctagt	1740
atctcagtcc	atcatagact	tggacagtta	tgggcctggt	caaggaggaa	aatgagacga	1800

tgtttccctc	tgtgattctc	tgcctgacct	tctagaaggg	aatccaggca	cacacacaac	1860
catacctgag	gaggatggct	ttttaatgaa	tctttgattt	gtcctaaaaat	gaaagatcct	1920
aatttatgga	aataaacata	aatatgctgc	gtgatcccaa	aaaaaaaaaa	aaaaaaaaaa	1980
aaaaaaaaaa						1989

<210> 2

<211> 1188

<212> DNA

<213> mus musculus

<400> 2

atgcggctac	cccgtttctc	cagcactgtc	atgctttcgc	tcctgatggt	acagactggc	60
atcctgggtct	tcctgggtctc	ccggcaagtg	ccatcgctcc	cagcaggcct	tggggagcgt	120
gtgcacgtgc	tgggtactgtc	ctcgtggcgc	tcgggctcgt	ccttcgtggg	ccagctcttc	180
agccaacacc	ccgatgtctt	ctacctgatg	gagccggctt	ggcacgtctg	ggatacgttg	240
tcgcagggca	gtgccccgc	actccacatg	gccgtgcgtg	acctgatccg	ctcagtgttc	300
ctatgcgaca	tggacgtatt	tgatgcctac	ctgccctggc	gccgcaacat	ctcggatctc	360
ttccagtggg	cggtgagccg	cgcattgtgc	tcacctcccg	tctgcgaagc	cttcgctcgt	420
ggcaacatca	gcagcgagga	ggtgtgtaag	cctctgtgcg	caacgcggcc	cttcggcctg	480
gctcaggaag	cctgcagctc	ctatagtcac	gtcgtgctca	aggaggtgcg	cttctttaac	540
ctacaggtgc	tctaccgcgt	gtcagcgac	cctgcgctca	acctgcgcac	cgtgcaccta	600
gtgcgcgacc	cgcgggccgt	gctgcgctcc	cgagagcaga	cagccaaggc	gctggcacgg	660
gacaatggca	tcgtcctggg	taccaacggc	acgtgggtgg	aggcggaccc	ccggctgcgc	720
gtggtcaacg	aggtatgccg	cagccatgtg	cgcacgcag	aggcagcctt	gcacaagccg	780
ccgcccttct	tgcaagatcg	ctaccgcctg	gtgcgctacg	aggatctggc	ccgggaccca	840
ctcaccgtaa	tcctgtgaact	ctatgccttc	accggcctgg	gtctcacgcc	gcagctccag	900
acttggatcc	acaatatcac	gcatggttca	gggccaggcg	cgcgccgtga	agccttcaag	960
accacatcca	gggatgcgct	cagtgtatcc	caggcctggc	gccacacgct	gccctttgcc	1020
aagattcgcc	gggtccagga	actgtgcggg	ggtgcactgc	agctgctggg	ttaccgggtct	1080
gtgcattcgg	agcttgagca	aagggaacct	tctctggacc	tcctgctgcc	aagaggcatg	1140
gacagtttca	agtgggcatc	gtccacggag	aagcaaccgg	aatcttag		1188

<210> 3

<211> 2044

<212> DNA

<213> homo sapiens

<400> 3

ggctcgaggt	ccactgtgct	gaatgtaagt	ctccttatca	gaaagctccc	agtgaggaac	60
tggctcttctg	gagactctgt	gtggcataga	gtgattcaac	caccttaaga	agacctctgg	120
ctttccttga	acacagatgt	cgagacatct	cccatggatt	tgtgatcagc	ggttcagctc	180
tcccagcagc	cctggacggg	ggccccagc	cgcccgcatg	tggctgccac	ggttctccag	240
caagacagtg	acagtgtccc	tcctggcaca	gaccacctgc	ctcctgctct	tcacatcttc	300
ccggccaggg	ccctcatccc	cagccggcgg	cgaggatcgt	gtgcacgtgc	tgggtgctgtc	360
ctcgtggcgc	tcgggctcat	ccttcttggg	ccagctcttc	agccagcacc	ccgacgtctt	420
ctacctgatg	gagcccgcgt	ggcatgtgtg	gaccaccttg	tcgcagggca	gcgcggcaac	480
gctgcacatg	gccgtgcgcg	acctgatgcg	ctctatcttt	ttgtgcgaca	tggacgtgtt	540
tgatgcctac	atgccacaga	gccgaaacct	gtccgccttt	ttcaactggg	caacgagccg	600
cgcgctgtgc	tcgccgcccc	cctgcagcgc	ctttccccga	ggcaccatca	gcaagcagga	660
cgtatgcaag	acactgtgca	cgcggcagcc	attcagcctg	gcccgggagg	cctgccgctc	720
ctacagccac	gtggtgctca	aggaggtgcg	cttcttcaac	ctgcaggtgc	tctaccgct	780
gctcagcgac	cccgcgctca	acctgcgcac	cgtgcacctg	gtgcgcgacc	cgcgggccgt	840
gctgcgctcc	cgggaggcgg	cgggcccgat	actggcacgc	gacaacggca	tcgtgctggg	900
caccaacggc	aagtgggtgg	aggccgaccc	tcacctgcgc	ctgattcgcg	aggtgtgccc	960

cagccacgtg	cgcacgcgcg	aggccgccac	actcaagccg	ccacccttcc	tgcgcgccg	1020
ctaccgcctg	gtgcgcttcg	aggacctggc	gcgggagccg	ctggcagaga	tccgcgcact	1080
ctacgccttc	accggcctga	ccctcacgcc	acagctcgag	gcctggatcc	acaacatcac	1140
ccacgggtcg	gggatcgcca	agccaatcga	ggccttccat	acttcgtcta	ggaatgcgcg	1200
caacgtctcc	caggcctggc	gccacgcgtt	gcccttcact	aagatcctgc	gcgtgcagga	1260
gggtgtgcgc	ggcgcgctgc	agctgctggg	ctaccggcct	gtgtactctg	cggaccagca	1320
gcgtgacctc	accctggatc	tggtgctgcc	acgaggccca	gaccacttca	gctgggcatc	1380
gcctgactga	gaactctggg	ccttagagca	agccccgaac	tgtggtcgcc	aggcccagga	1440
agcgactgca	tggtggaaaa	ggagctgggg	cgcctgggga	acaggccctc	actatcaacc	1500
gggagtttgg	ggctctcccc	tgaagtaagc	aaggactgca	cgtttctttc	tctcctgatt	1560
ctcggttttc	ctttgagtct	tctggagctg	ccttctcatc	aggtgcactc	ttcatggaaa	1620
agcaactctt	gcccctacct	cttctggggc	cagggagtaa	gttactgcta	aattaaatta	1680
aatgtgtgcc	aggccgggtg	cggtggctca	tgctgtaat	cccagcattt	tgagaggctg	1740
aggcgggtgg	atcacctgag	gtcaggattc	aaaaccagcc	tgccaacat	agtgaacccc	1800
cctctctact	aaaaatgcaa	aaattagtcc	ggcgtgggtg	cacactcctg	taatcccagc	1860
tacttaggag	gctgaggtgg	gaaaatcact	tggactccaa	aggtggaggt	tgagtaagc	1920
tgaaatcatg	ccactgcacc	ctagcttggg	tggcaaaagca	aaactctatc	aaaaaaataa	1980
ttaataaatt	tgttcaaaag	tcttgccgaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2040
aaaa						2044

<210> 4

<211> 1173

<212> DNA

<213> homo sapiens

<400> 4

atgtggctgc	cacggttctc	cagcaagaca	gtgacagtgc	tcctcctggc	acagaccacc	60
tgctcctgc	tcttcatcat	ctcccggcca	gggccctcat	ccccagccgg	cggcgaggat	120
cgtgtgcacg	tgtgtgtgct	gtcctcgtgg	cgctcgggct	catccttctt	gggccagctc	180
ttcagccagc	accccgacgt	cttctacctg	atggagcccg	cgtggcatgt	gtggaccacc	240
ctgtcgcagg	gcagcgcggc	aacgctgcac	atggccgtgc	gcgacctgat	gcgctctatc	300
tttttgtgcg	acatggacgt	gtttgatgcc	tacatgccac	agagccgaaa	cctgtccgcc	360
tttttcaact	gggcaacgag	ccgcgcgctg	tgctcgcgcg	ccgcctgcag	cgcctttccc	420
cgaggcacca	tcagcaagca	ggacgtatgc	aagacactgt	gcacgcggca	gccattcagc	480
ctggcccggg	aggcctgccg	ctcctacagc	cacgtggtgc	tcaaggaggt	gcgcttcttc	540
aacctgcagg	tgctctaccc	gctgctcagc	gaccccgcg	tcaacctgcg	catcgtgcac	600
ctggtgcgcg	acccgcgggc	cgtgctgcgc	tcccgggagg	cggcgggccc	gatactggca	660
cgcgacaacg	gcatcgtgct	gggcaccaac	ggcaagtggg	tggaggccga	ccctcacctg	720
cgcttgattc	gcgaggtgtg	ccgcagccac	gtgcgcatcg	ccgaggccgc	cacactcaag	780
ccgccaccct	tcttgccggg	ccgctaccgc	ctggtgcgct	tcgaggacct	ggcgcgggag	840
ccgctggcag	agatccgcgc	actctacgcc	ttcaccggcc	tgaccctcac	gccacagctc	900
gaggcctgga	tccacaacat	cacccacggg	tcggggatcg	gcaagccaat	cgaggccttc	960
catacttcgt	ctaggaatgc	gcgcaacgtc	tcccaggcct	ggcgccacgc	gttgcccttc	1020
actaagatcc	tgcgcggtga	ggaggtgtgc	gccggcgcg	tgagctgctg	gggctaccgg	1080
cctgtgtact	ctgcggacca	gcagcgtgac	ctcaccctgg	atctggtgct	gccacgaggc	1140
ccagaccact	tcagctgggc	atcgctgac	tga			1173

<210> 5

<211> 2546

<212> DNA

<213> homo sapiens

<400> 5

cttggcggag	gaggttggtg	atgcagctgg	ggaaataatc	actgcctctc	aacatgggga	60
------------	------------	------------	------------	------------	------------	----

00563628-054300

Ile Thr Arg Phe Gly Leu Gly Thr Gln Ala Ile Val Lys Pro Val Arg	130	135	140
His Asp Arg Ile Ile Phe Pro Phe Gly Phe Lys Phe Asn Ile Ala Val	145	150	155
Gly Leu Ile Leu Cys Ile Ser Leu Val Ile Leu Thr Phe Gln Trp Arg	165	170	175
Phe Tyr Leu Ser Phe Arg Lys Leu Met Arg Trp Ile Leu Ile Leu Val	180	185	190
Ile Ala Leu Trp Phe Ile Glu Leu Leu Asp Val Trp Ser Thr Cys Ser	195	200	205
Gln Pro Ile Cys Ala Lys Trp Thr Arg Thr Glu Ala Glu Gly Ser Lys	210	215	220
Lys Ser Leu Ser Ser Glu Gly His His Met Asp Leu Pro Asp Val Val	225	230	235
Ile Thr Ser Leu Pro Gly Ser Gly Ala Glu Ile Leu Lys Gln Leu Phe	245	250	255
Phe Asn Ser Ser Asp Phe Leu Tyr Ile Arg Val Pro Thr Ala Tyr Ile	260	265	270
Asp Ile Pro Glu Thr Glu Leu Glu Ile Asp Ser Phe Val Asp Ala Cys	275	280	285
Glu Trp Lys Val Ser Asp Ile Arg Ser Gly His Phe Arg Leu Leu Arg	290	295	300
Gly Trp Leu Gln Ser Leu Val Gln Asp Thr Lys Leu His Leu Gln Asn	305	310	315
Ile His Leu His Glu Pro Asn Arg Gly Lys Leu Ala Gln Tyr Phe Ala	325	330	335
Met Asn Lys Asp Lys Lys Arg Lys Phe Lys Arg Arg Glu Ser Leu Pro	340	345	350
Glu Gln Arg Ser Gln Met Lys Gly Ala Phe Asp Arg Asp Ala Glu Tyr	355	360	365
Ile Arg Ala Leu Arg Arg His Leu Val Tyr Tyr Pro Ser Ala Arg Pro	370	375	380
Val Leu Ser Leu Ser Ser Gly Ser Trp Thr Leu Lys Leu His Phe Phe	385	390	395
Gln Glu Val Leu Gly Ala Ser Met Arg Ala Leu Tyr Ile Val Arg Asp	405	410	415
Pro Arg Ala Trp Ile Tyr Ser Met Leu Tyr Asn Ser Lys Pro Ser Leu	420	425	430
Tyr Ser Leu Lys Asn Val Pro Glu His Leu Ala Lys Leu Phe Lys Ile	435	440	445
Glu Gly Gly Lys Gly Lys Cys Asn Leu Asn Ser Gly Tyr Ala Phe Glu	450	455	460
Tyr Glu Pro Leu Arg Lys Glu Leu Ser Lys Ser Lys Ser Asn Ala Val	465	470	475
Ser Leu Leu Ser His Leu Trp Leu Ala Asn Thr Ala Ala Ala Leu Arg	485	490	495
Ile Asn Thr Asp Leu Leu Pro Thr Ser Tyr Gln Leu Val Lys Phe Glu	500	505	510
Asp Ile Val His Phe Pro Gln Lys Thr Thr Glu Arg Ile Phe Ala Phe	515	520	525
Leu Gly Ile Pro Leu Ser Pro Ala Ser Leu Asn Gln Ile Leu Phe Ala	530	535	540
Thr Ser Thr Asn Leu Phe Tyr Leu Pro Tyr Glu Gly Glu Ile Ser Pro	545	550	555
			560

Thr Asn Thr Asn Val Trp Lys Gln Asn Leu Pro Arg Asp Glu Ile Lys
565 570 575
Leu Ile Glu Asn Ile Cys Trp Thr Leu Met Asp Arg Leu Gly Tyr Pro
580 585 590
Lys Phe Met Asp
595

<210> 10
<211> 2170
<212> DNA
<213> homo sapiens

<400> 10
ggctcgagag ttatacgtga acggagacct gaggctgcag cagaagcagc cgctgagctg 60
tgggtggccta gatgcccgat acaacatata cgtgatcaac gggaccagcc cctttgccta 120
tgactacgac ctcacccata ttgttgctgc ctaccaggag aggaacgaaa gctcccagtg 180
aggaactggg cttctggaga ctctgtgtgg catagagtga ttcaaccacc ttaagaagac 240
ctctggcttt cctggaacac agatgtcgag acatctccca tggatttgtg atcagcgttg 300
cagctctccc agcagccctg gacgggtggcc ccagcccgcc cgcagtgtgg tgccacgggt 360
ctccagcaag acagtgcacg tgctcctcct ggcacagacc acctgcctcc tgctcttcat 420
catctcccgg ccagggccct catccccagc cggcgccgag gatcgtgtgc acgtgctggt 480
gctgtcctcg tggcgctcgg gctcatcctt cttgggccag ctcttcagcc agcaccgccga 540
cgtcttctac ctgatggagc ccgcgtggca tgtgtggacc accctgtcgc agggcagcgc 600
ggcaacgctg cacatggccg tgcgcgacct gatgcgctct atctttttgt gcgacatgga 660
cgtgtttgat gcctacatgc cacagagccg aaacctgtcc gcctttttca actgggcaac 720
gagccgcgcg ctgtgtcgcg cgcccgcctg cagcgccttt ccccgaggca ccatcagcaa 780
gcaggacgta tgcaagacac tgtgcacgcg gcagccattc agcctggccc gggaggcctg 840
ccgctcctac agccacgtgg tgctcaagga ggtgcgcttc ttcaacctgc aggtgctcta 900
cccgtgctc agcgaccccg cgctcaacct gcgcacgtg cacctggtgc gcgaccgcg 960
ggcgtgctg cgctcccggg aggcggcggg ccgatactg gcacgcgaca acggcatcgt 1020
gctgggcacc aacggcaagt ggggtggaggc cgaccctcac ctgcgcctga ttgcgcaggt 1080
gtgccgcagc cacgtgcgca tcgccgaggc cgccacactc aagccgccac ctttctgcg 1140
cggccgctac cgcttgggtg gcttcgagga cctggcgcgg gagccgctgg cagagatccg 1200
cgactctac gccttcaccg gcctgacct caccgccacag ctcgaggcct ggatccacaa 1260
catcaccac gggtcgggga tcggcaagcc aatcgaggcc ttccatactt cgtctaggaa 1320
tgcgcgcaac gtctcccagg cctggcgcca cgcgttgccc ttactaaga tctgcgcg 1380
gcaggagggt tgccgcggcg cgctgcagct gctgggctac cggcctgtgt actctgcgga 1440
ccagcagcgt gacctaccc tggatctggt gctgccacga ggcccagacc acttcagctg 1500
ggcatcgct gactgagaac tctgggcctt agagcaagcc ccgaactgtg gtcgccaggc 1560
ccaggaggcg actgcatggt ggagagggag ctggggcgca tggggaagca ggtccctact 1620
atcaaccggg agtttgggg cctcccctga agtaggcaag gactgcacgt ttctttctct 1680
cctgattctc ggttttctt tgagtcttct ggagctgcct tctcatcagg tgcactcttc 1740
atggaaagca actcttgccc ctacctcttc tgggcgcagg gagtaagtta ctgctaaatt 1800
aaattaaatg tgtgccaggc cgggtgcggt ggctcatgcc tgtaatccca gcattttgag 1860
aggctgaggc ggggtgatca cctgaggtca ggattcaaaa ccagcctggc caacatagtg 1920
aaacccctc tctactaaaa atgcaaaaat tagtccggcg tgggtggcaca ctctgtaat 1980
cccagctact taggaggctg aggtgggaga atcacttggc ctccaaagggt ggaggttgca 2040
gtaagctgaa atcatgccac tgcaccctag cttgggtggc aaagcaaaac tctatcaaaa 2100
aaataattaa taaatttgtt caaaagtcct gccgaaaaaa aaaaaaaaaa aaaaaaaaaa 2160
aaaaaaaaa 2170

<210> 11
<211> 160552
<212> DNA

<213> homo sapiens

<400> 11

agaaatgtga	gcgatggggg	gcagccataa	atacagatga	aacttcaagt	gctcacctgt	60
tacttatctc	ctgctgtgtg	accttgttcc	tgacaggcca	cagacaagta	atggctctgtg	120
gctctggggc	tggggggccc	tgccctaaag	cttttagagg	aagcagaagc	cccaccaaca	180
acctgttttg	acttctagcc	tccagaactg	aaaggggata	cagtcttttc	ttcttatttt	240
ttgagatgga	gtcttgctct	gtcaccacag	ctagagtgc	gtggcacgat	cctggctcac	300
tgcaacctcc	acctcctggg	tttgagagat	tcttctgcct	cagcctcctg	agtagttggg	360
actataggcg	tgcgccaata	cacctggcta	atttttgtat	ttttagtaga	aaggggcttc	420
accatgttgg	ccaggatggg	cttgatctcc	tgacgtcgtg	atctgcccac	ctcggcctcc	480
taaagtgttg	ggattacagg	cgtgagccac	tgcacccggc	caggaataca	tttctgttgt	540
cttaagccac	ccagcttgtg	gtacttcgtt	aagaaacagc	tctaggaaac	tattacaggc	600
acaaaatttg	tgatgaaaat	gttctaaaat	tgatggttgc	acaactctgt	ggatatacta	660
aaaaaatttt	tttttttttt	ttttgagaca	ggatctcact	ctgtcaccca	ggctggagtg	720
caatggcatg	atcttgactc	actgcaacct	ccgcctccca	ggttcaagtg	attctcctgc	780
ctcagcctcc	caagtagctg	ggactacagg	cgtgcaccac	catgcccggc	taatttttgt	840
atttttagca	gagacggggg	ttcatcatgt	tggccagact	ggtctcgaac	tcctgacctc	900
aggtgatctg	cctgcctcag	cctcccaaag	tgttgggaatt	acaggcgtaa	gccaccgtgc	960
ccggcctaaa	aacttttaaa	atgtatactt	tagttgggtg	aattttatgg	tctgtgaatt	1020
atatctcaat	acaactgtta	tttaaaaata	tttatagcca	caaaatgctg	aagaaccaat	1080
aaggaccttg	agtaacccca	acatgggagc	ttccattttc	agtcaatcat	tcaaggtctg	1140
aagttgagtg	ttaaacattc	gatgttaaaa	caggattggc	tgctgggtct	attgctgatt	1200
tgetgcaggg	ccttttggct	tctttttttt	tttttttttt	tttttttgag	atagggctct	1260
gctctatcac	ccaggctgga	gtgcagcggg	acgatctttg	ctcaccacta	cctccgcctc	1320
ctgggttcaa	gcaattctcc	tgccctcagc	tcccagagtag	ctaggattac	aggtgtgcgc	1380
caccatgccc	ggctagtttt	tgcattttta	gtagagacag	ggtttcacca	ggttggccag	1440
gctggctctt	aactcctgac	ctcaagtgat	ctgcctgcct	gggcttccca	aagtgtctggg	1500
attacaggcc	tgagccacca	agcctggcca	ccttttggct	ttttggacag	aactctttca	1560
attgtaagtc	agaaaaccaa	cacaaacagg	cttaatcaaa	ataacaacag	gaatctgtct	1620
cacataattg	agacatctaa	acagtgttac	tagatctttg	attctcttgg	ctgtttcctt	1680
tgttgccctc	attctttgct	ggctttctct	aggtagtagg	aaaagatggc	caccggcagt	1740
cccatgatta	tgtgaccctt	acagctccag	atcaaaacag	aaagcctttc	ctgataacct	1800
tgagaacaag	tccaggcagt	ccagggtcgg	ctcacaggct	attcctagag	ccaggagata	1860
aggttagctt	cagccaagtc	tgaggcacag	agcaggatca	ctgaagaatg	ggaaaagaat	1920
ggctccctga	agaaagaaa	gctgggaata	caaaatatat	attcgctatg	ctaggcaaag	1980
ctgtaaaaact	tgagagcgt	caaacatcat	ttcagctcaa	taaatatttg	ctgaatcaat	2040
gtaggaaccc	ataaaacaga	gctgctgcag	agtactttca	aagcatcatg	ttccaaactc	2100
tgatttcata	ttttagagaa	gcaataaaac	acaatggaag	tcagatagtg	aggtcattag	2160
tgagatgcca	ttttagcaga	gagctacttc	aatcaagtat	agcttgctct	aagttccaga	2220
ttccatctgt	attacacaac	agagatgcaa	agctcagaaa	gaatgttccc	tgatttaact	2280
acaaaaaaag	ctaagacttg	tcctgcgtgg	aggaaggcag	ttcaggatga	agggtcctgc	2340
taccagagca	aacatttcct	tctcacttga	actgggtgata	atccggtggg	tttctgatcc	2400
aggatccaaa	cacctgcttc	cggagtgtgc	tccaggcttc	ctggtaagag	gacgcagcct	2460
ccttgctactc	ctggtaggta	tccagcttct	gcacccta	gcacacaggc	caccaaatac	2520
acagggtctc	attgaatagc	ccaccccagg	ggccaccaga	cacctgagca	agcaactgga	2580
cagacttgta	atgagactta	ggtagagaag	gagttcagta	tgcttttgtg	aaagttgatc	2640
atacaaacta	cgttattctt	gtcatactca	actgaaacag	agttgagaag	ccaggggtaa	2700
aaaacactca	gggcgcataa	cattgtctca	agaatgcatt	ctctgcaagc	ctggctgcta	2760
aaactgcctg	ccagttttat	ctaacagcta	ctgaaccaac	ctgctgcaga	ctttaagaat	2820
agttttaccc	agtgccatca	cttggcagct	cctcacttta	ctcatgtcaa	tgaaccttct	2880
tcaacaatat	gttacatttc	ttttttgaaa	aataaaacct	ctaaccttcc	ctttgttctt	2940
cagacatatt	gaagaccacc	cagtctgtat	gtcttgaatt	tcttgtatcc	caaataaaat	3000
attaaattta	gagatttatc	tttacatttt	tattttgact	tttgacactt	tcctagagca	3060

acacagtggttc	tcatagtctgt	aatcccagca	ctttggagg	cttaggtgaa	tgagcagatc	9360
acctgaggttc	aggagtttgc	gaccagcctg	gctaacatgg	tgaaccccca	tctctactaa	9420
aaatacaaaa	actagccggg	cgtggtggca	gtcgctgtta	atcccagcta	ctaggggggca	9480
gaggcaggag	aatcgcttga	agctgggagg	cagaggttgc	agtgagctga	gatcgcgcca	9540
ctgcctgggc	actctagcct	gggcgacatg	agtgaactc	cgtctccaaa	aaaaaaaaaa	9600
aagtctgttc	cttaagagg	tattttacca	gaaatgatca	aagtgcttta	agcacatttc	9660
taaataaagg	atgattaagt	gtggggtgag	aagtcattaa	ttgggcctga	agggtcagga	9720
attggatttc	tggttactct	gtcctaaaat	cctgacttgg	gttactggta	taatctgctt	9780
tagggtggat	tctcagcaga	atggaaaagg	aaatgggact	tggagagaaa	atggccttga	9840
agcagtctct	gttgccctga	aaatcacttt	tcattttcaa	aacatcacia	cttctcttta	9900
ctgaagatct	ctttaagatc	cagaagcaaa	taaaccacct	attcttaaac	agcacagggt	9960
tccaatgtc	agttataata	tctggccagg	catggtgggt	aacacccata	atcccagcac	10020
tctgggaggc	caaagcagga	ggatcacctg	tagccaggag	tttgagacca	acctgggtgag	10080
gtaggaggac	ttctcaagcc	caggagttca	aggctgcagt	gagctatgac	tgtgccactg	10140
cactccagcc	agggtgacag	agcaagacct	tgtctcaaca	acaataaaaa	ataatatctt	10200
agagatatta	tatttaatga	tatactcctg	tttctatttt	aaacagggga	ttaacaagac	10260
tcttatctat	gttctaaaca	aacaaagacc	aaagaccatt	cactgccagg	tctgagttcc	10320
cctctaacgt	catgactagg	aaacttgtac	actgatgttt	tttctgaagt	tctgtctgaa	10380
caaaggcatg	gttccccatt	ccgttttttg	cctgattctt	gatgctggca	cctaggcaga	10440
gaattcaact	ttccaatgct	aaatgggaaa	aggccattgt	gattccctct	tttttaaattg	10500
aaacaagaac	ttagaattta	ggaagtaaaa	cttagggact	tgcctctgtc	tctattttata	10560
gaatcaatat	ttaatactaa	ctactctaaa	taaaaatcat	gacactttac	atgggtgaccg	10620
cctgtttttc	actccaaggc	agaaataact	gagaactcac	tccccttcag	cctcagacat	10680
aattgatctt	catgcagacc	agtcagtcac	cggagagggg	gggctcctgc	aggcctgaat	10740
tcgtcccttc	tctaattttc	ccagccactc	tttgaagcca	gcaagcactg	catgaagggt	10800
aaggagggtc	ccatgctccc	ctaaggaagc	tgaaaagacc	tgaggaagag	gctgctaaat	10860
tgtcttgggg	aagagatggt	gaagctgaat	cacagccagc	tttaggaagg	accctgtagc	10920
acttttttatg	tttatgggtg	atbtatata	tgcataaagc	ccaatgatgt	cacacgcctc	10980
ttatgttttag	aaacaaattt	atattttttag	ccggtgtggt	tgacatgcac	ctgtgggtcct	11040
gtcccagtta	ttagggaggc	tgaggtgaga	ggatcacttg	aacctaggag	gcagagattg	11100
tagtgagctc	agattgcacc	actgcactgc	aatctgggca	acagagttag	actctgtctc	11160
aaaaaaaaaa	ttactttctga	gaataaaaacc	ccaaaataaa	cagttgcatt	aagtgtaggg	11220
tgataagtca	ttactgggg	ccaaagagct	gacagcctgg	gcaaaagggc	cctagctggt	11280
gactctaaat	cctgaagggt	caggagctgg	atthctggct	actcggccct	aaaatcctga	11340
cttgagttac	cagtgtaatc	tgttttaggg	ttgatttctca	ccacactgga	aaggcaaattg	11400
ggacttgagg	agaaaatggc	ttgaaacagt	ctctgctgcc	ctgaaaaatc	atthtttcatt	11460
tccaatttcta	tttctatctc	agggataacg	ggggagggga	agttgataag	acctgtagcc	11520
atthttaattg	ctagattact	gtggagccat	ctgagtaatc	tttaggtctc	cagaagcctg	11580
cttcattttcc	tttgagaaga	accagagaat	cagaatttag	gaaaataaac	tcaatgccat	11640
aggtcctagt	cacttattht	ctcccactaa	gccaacacct	ccaggaagta	caaaacacag	11700
agtcaccaag	gctctgtaga	agttgcagat	gttatgaaag	aagattacct	cccaaacac	11760
gttaaggaaa	gccagggtga	accacggatg	cccaaggctt	cctcccttg	tgaagacaca	11820
gccagaggc	ctgggaagga	aggttagaag	agccccatgg	gtgacaagat	ctcctcaagc	11880
aacaccacag	cttcagagc	tacagctgtg	gcagaccaat	ggcgtccagt	gggcaggccc	11940
tggggtgtct	cctcagggtg	aatactggcc	ttaggggaagg	agcttccatt	tctcccctgc	12000
ctthtctatca	gacaccagga	agtagagggtg	gaggacactg	ggaaagagga	aatcagacca	12060
aaaaatggcc	agagctthtcc	acctthtaaca	gaaataagggt	ctggaatttg	gcacaggcct	12120
ctthctggagt	cttcaaggat	thtcaacagg	aacctatttg	gacaacattg	ggctagtthc	12180
cagggtctct	gagagccttc	actthttagaa	gtattacttc	tgggagtgggt	aaatgaaacc	12240
tagattgggt	cacaaagata	agatgtggcc	agaaactcac	actcagggga	gagggtggggg	12300
ctggaatctg	gatcagggcc	tacaactacc	cactcagtaa	cgggaaagga	ctgaccagga	12360
ggttagacgg	agcccatcca	ctthccttht	thcacagggg	actaaagctg	ggctgtcaaa	12420
cacacagaaa	acgggaattc	taatgcctct	gcctacattc	aggccacaag	ttacagtccc	12480
aaagattgct	tccaggcgac	acaatagtct	gacagtcaaa	gcaagtgtca	ccaaggggagg	12540

tataagtctg	taaagagact	tcagagccct	ttactgtgcc	gcagtcattt	tgtcagactt	9600
gaggatcagg	cagctataga	ctcttacaat	gtcaaagagt	tgaccaagtt	tgggagcaag	9660
caaaactggat	gattaactga	gtgagccctca	gcagggccca	caggctccca	gtggaggagc	9720
atgccaggac	tgcccttcagg	gaagaaaacc	tcattttcagg	cctcagttct	acctatagct	9780
taagactaaa	taagttctca	accgttttaa	aagattcttg	gagatcttag	gctgagtttc	9840
atcatttttt	taaaagtcca	ggccttggtc	tattttctga	atccaaaatg	cactcttatg	9900
tattgcagcc	attattttcc	tggagccctt	gatgtcaggg	agcataaaat	ccagatttct	9960
agtcaggacc	cctaagagtt	ttcagacttc	caaagttttg	gagttccgta	agcagccaac	10020
cagatgtcta	ataccagagg	gcccatctag	taaacacctc	tcacctggac	tgtgggactg	10080
tcttatccac	aaacagggaag	atcgccctttt	cagaaggaag	ctggatccct	ttcctgatga	10140
tccacatgaa	ctgagccaca	gtgatatcag	atggaaccaa	gtacttccgt	ttgtcaatgt	10200
caacaatctg	agagcctgag	acctttttcca	caatcacctg	ggaaagtaaa	gagaggtcag	10260
gactgtgttt	cctaaagcga	ggctctggcc	tcacatggct	gaggagctga	tgaacagagt	10320
gtgggcaagg	aggtgggtgg	ggaactgcat	agcaggagaa	aatatgtctt	tggcttaata	10380
aaccacacgc	tctggagggt	aagaattgat	ataaatgtgt	tacagggaaa	cagtaagtgc	10440
ttttctgtgg	tcaattatgt	aagagaaatg	cagcccttac	cactaagctt	ttccacattt	10500
tatctgggca	gacctaagaa	tatctgggga	gggtttctac	catggcccgt	tactccagga	10560
ccccagaatg	gatccacctt	cacactacag	gaaacactac	tgtgttccca	aggaacacag	10620
gagacaagaa	tggatggact	aattggaatg	cctggaattt	tagccagcca	agaaccaagt	10680
tcttcatttg	gcctgttgct	cctctctgaa	caagtttcaa	atccgtccct	cctactcctt	10740
tccccagaca	aattattcac	aagcaaagag	ctacaataac	aggccttaat	gtccattaaa	10800
aattaataac	gattacaaaa	ctatctcccc	aaccatggaa	gaaatataac	attatatatta	10860
ttattgacta	agaagaaaat	atggcagaag	gggttttcag	cggcttttca	cattattttg	10920
gtcaggcaag	gatgacaggg	tcaaggtgag	ataacggagc	tagaagttag	gtaaagatgg	10980
agacaaagta	aaagatgaac	gtcctgagac	tcaagtacca	cttccaagac	caaaatgaca	11040
gtctccctcc	accaccattc	ccaaaagtgg	cagtacactg	ttgcctgtgc	ctagaacatc	11100
gttccttaca	taattggcca	gggagccccg	aggctgcaga	cggctcgctg	gcctagatcg	11160
ggagattcag	cactgaggca	ccctgaacag	caccagcccg	agccccctac	gccccggccc	11220
tgggcggcct	catcccggtc	tggcccgtca	gctactgtaa	ctgggactgg	aacctcaact	11280
tgtcaactgt	tgaatggcct	ggggcctatc	acgggtccca	gacgacagag	gtgacagcga	11340
ggtgaggggg	cggagagtec	actcaccgga	accctgtcgg	gatatttcgc	tcgaatcttc	11400
gcggactcca	cgcatctgtg	ttctgtggga	gaaacaaacg	gggctgacgg	ccgcgcctgc	11460
ccaccggctc	gttcccggcc	cccggccctc	ctcctcctgc	gccctgcgta	caaccacaggc	11520
cctgggttcc	gcgtccccgg	ggcgcgggtc	ctgtccccta	ctagctccca	gcaaggcccc	11580
cggaggggtga	catgggggtca	ggggggccgct	gcccagggca	ccagggcatg	ggcgactcca	11640
gcccgcagca	gggcatccgc	cccgtctcac	tcggcccagg	gccgcccag	tgggggaggg	11700
ggcccacccg	ccgccccagc	ccccagcagc	cgggcccagc	accaagtgt	taccacagcga	11760
gtggtcctcc	ttgaacatcc	acttcatggc	ggcggcggga	aggggacgga	accggctcgc	11820
ggagccgcgg	agctcagcgc	accgagcaca	acaacaacga	cggcggcagc	ggcagcggca	11880
gcgacggcgg	cgactacacg	gcaggcggga	cttccggctg	tcggagccta	gcaaccggcc	11940
gggggccccg	cttccggcgc	catttgtcag	ggcgccacgc	caagggggcg	ggcgcgacgt	12000
aaagggcgcg	ggccgcggag	gacccctttg	ggggctcctg	ggctgcgggt	gcgaagaagt	12060
tgggttatgg	gacgtctgtg	agcagtatct	gcgacattgc	tcgcaggaat	gttcgggggaa	12120
ctggtgacag	gagtgggggtc	tcgggagcgt	tgggtggcgg	aaacgtctgg	ctgatagtgt	12180
agggtcttta	ctgagggctg	tttgggggtg	tggctgatag	ctgagggctc	ttagagcggt	12240
tcatagggga	agtctgggga	attggtgaca	agaacggtct	ttaggggtaa	gaatgacata	12300
aggagggctt	tctagagctt	ggcgataaca	agggagctgt	ttagggcggt	gacagttttg	12360
ggagtattgc	tcggagtggg	gacaggtttg	gggctcatta	tgggagggga	gggtgtttga	12420
ggacactgtt	ggaagcggca	ctgaggacaa	cccggaggct	cgtattagg	acagccgtag	12480
taggttgtct	tggacctaga	aattgaattt	aaacaaatcc	cgttttcttc	ctttattcgt	12540
gaataaatat	ttgaataaac	attttacgaa	aggatatcaca	aatgcacatt	tgaggcgggg	12600
tacggtggct	cagcctgtga	atcccaacac	tttgggaggg	cgacgcgggt	ggatcacctg	12660
aggtcaggag	ttgaagacca	gcctggccaa	catggtgaaa	ccccgtctct	actaaaaata	12720
caaaaattag	ccaggcatgg	tagtggggcg	ctgtagtccc	agctcctcgg	gaggctgagg	12780

caggagaatc	gtttgaacca	gggaggtgga	ggtggcagtg	agccgagatc	acaccactgc	12840
actccagcct	gggcaacaga	gcaagactcc	gcctcaaaaa	aaaatgcaca	tttgaggagt	12900
gtaacatcac	tgatcacaga	ccccttaatt	ttactggca	gaggagttag	aggtgactgt	12960
cagactcgga	gaattccct	gagagctggt	catgagatgg	gtttccttat	ttggctgtgg	13020
gagtggttta	gcaatcacag	cctgagctgt	gtgtgtgtca	cctgcccgga	catatgcttt	13080
gaggttctcc	aatcagtgat	gtaatgcctt	ttttccaagc	agactcatca	aggcagtctg	13140
gtctgggtca	ccatctgttt	ataagctgct	gaacatgtag	caggaatatt	cacttaattg	13200
ggcacatgaa	ccctgccacg	tgcttgat	tctgatgcac	ctgtaaagcc	tgtatgtttg	13260
aatgtggtag	ttcatcattt	cctacactgg	aaattcctga	tcgatgctgt	ggaatctagc	13320
ttcattctat	aagtattttt	gttattttaa	gactgtgtgt	ctgagtaact	agaatagggt	13380
tttttgtttc	tttgtttttg	tttttgtttt	ttggagacag	ggtctttctc	tgtcaccag	13440
gctggagttc	agtggcacia	tcttggctta	ctgcagtctg	cctcctgggt	tcaagcgatt	13500
ctgctgcctc	agcctcctga	gtagctggga	ctacagggac	acaccaccac	accagctaa	13560
tttttgtatt	tttggtagag	atggggtttt	gtcatgttcg	ccaggctggt	cttgaacttc	13620
tcacctcaag	taagtgattt	gcccgcctcg	gcctcccaaa	gtgctaggat	tacagggtgtg	13680
agccactgca	tctgtttgtt	tgtttttaat	gaagtggaaa	aaatcctttg	aatttcctac	13740
ttagaaatta	ttgttacata	caagagctct	gtgctagggt	ctggggaaaa	acagtgaaga	13800
agacagatga	catccctatt	ctcatgggtg	gcagcatgag	atattcttgt	ccccctgaca	13860
tattctagt	ggataagaca	aaaaataagt	atgttaggta	atgatagggt	ctatttcgaa	13920
aaataaagca	cagtaggtga	ctagagagtg	tgggtgggat	gaatgcta	tagataaagt	13980
gcctggcata	ttctagggaa	cccctgtggc	tggagctgaa	taaatgagag	aggagagtgt	14040
gttatgagac	aaattcaaag	atatctagaa	caaaactgtg	ttgagctttg	aattccatgc	14100
aaagagcttt	ggatttttatt	tagaatgaga	tgagaagtca	gtgtaggggt	ttaagcagag	14160
acgtaacaca	atctgccttt	ccttttcaaa	aggctagctt	agtagactgt	aggcgctgag	14220
ggtggaagca	gggaaatagt	tgagacacta	ttgtgataat	cctggtgaaa	gatgatgttg	14280
gctttggcca	agggtgggtc	tacagagggtg	atgggaagca	gttgattctt	ggatatattt	14340
cgaaggtaaa	actggttaaca	gttgctgata	gattggatgt	aagacatgag	ggacagatca	14400
aatcaaggt	ttttggaagg	atggaattgc	catttactga	aatagggtgg	agccagcttg	14460
gggagtga	aaacaagagt	tgggttttga	gatattaaat	atgagatgtc	caagggacat	14520
acacaagtga	agatgtagag	ttggtgaatg	gtgctatgag	tctcaaattt	agagagaaat	14580
atttcaagct	attaaactgg	gtaagattag	gtagacagt	agtttaaaaa	tgaaaataact	14640
tggccgggtg	cagtggcata	tgcctgtaat	cccagcactt	tgggaggccg	aggcagggtg	14700
atcacctgaa	gtcaggaggt	catgaccagc	ctgactaacg	tgttgaaacc	ccgtctctgc	14760
taaatacaaa	acaattagcc	aggatgtgtg	gcacatgcct	gtaatcgag	ctacttgga	14820
ggctgagaca	ggagaattgc	ttttacttag	gaggcagagg	ttgcagtgag	ctgagatcgc	14880
gccactccac	tccagcctgg	gcaacaagag	cgaaactccg	tctcaaaaaa	agaaaatacc	14940
tattttacaa	atagaattaa	acactgaaga	atgaagatgg	ttgttcacca	tctcctagtc	15000
agtgaaccag	tggaggaggt	agaaattgga	ctcaacaccc	ctgcttccct	ttacagagct	15060
ggtcattgca	tctagtcca	aaatatatgt	atattgtctt	gcagtgtgaa	gagctgagaa	15120
cacttcttag	gggaaaattt	cactgcacac	caattcatag	acatgtcttt	tgatgggtctc	15180
aatgatgtgc	aatgcatttt	ggtcttccat	ccttacctac	tttcttggtg	tgttttccca	15240
gttcaccatt	ctaattgact	tatttcatcc	accttgatga	tatgtaccac	cttctttaca	15300
tattgggtca	ttgtatttag	ctatggaatg	ttctaaggac	actggatgcc	ttccttgagg	15360
gagtggttag	ttaaggacgt	aagtcaggag	gagaaatagg	ataatgaata	tatgcaacgt	15420
aattacacat	taacaaatct	ataaaacaca	gagaatgaat	ttcaaagtgt	ggagagggtat	15480
gtgaacatgg	atactgagge	attgctaggg	caataggggc	cagcaciaag	ccaagtgaga	15540
attagcaagg	aagacttcac	agagaatgtg	aatcttctgt	tgtagagaga	agggtacatt	15600
ttcattgggt	aaacttttcc	tttccagata	aaaacaaagg	ctgggggttg	aagaggggaa	15660
agaaaagcag	tatagataag	taaaataaaat	gttggaagc	tttgaagcaa	acattcagaa	15720
gttctaacct	aattcaggag	accctgaata	agagctccta	taaaggagag	aagaacatga	15780
ttaaaatgtg	caatttgggg	ctgggtgcag	tggctcatgc	ctgtaatccc	agcactctgg	15840
gaggccgagg	caggtggatc	acctcaggcc	aggagtctta	gaccagactg	gccaacatgg	15900
tgaacccccg	tctttactga	aaatacaaaa	attagccagg	catggtggca	cgcacctgtg	15960
gtcccagcta	ctcaggaggc	tgcaggcatg	agaatcgctt	gagcccagga	ggtggagggtt	16020

gcagtagacc	aagatagatgc	cactgcactc	cagcctgagc	gacaggggta	gactccatct	16080
caagaaaaaa	aaaatgtggc	caggtgcggt	ggctcacgcc	tgtaatccca	gcactttagg	16140
aggccaaggc	aggcggatca	tgaggtcagg	agttcgagac	cagcctgacc	aataagggtga	16200
aaccccgctc	ctactaaaaa	tacaaaaaaa	aaaaaaaaaa	ttcaccaggc	gtggtggtga	16260
gcgcctgtaa	tcccagctac	tcaggaggct	gaggcaggag	aatcgcttga	acccgggagg	16320
cggaggttgc	agttagccga	gatcgcccca	ctgcactcca	gcctgggcta	cagaacaaga	16380
ctccatctca	aaaaaaaaaa	aaaaaaaaaa	gtgcagtttt	aagaggatga	ctctttttgt	16440
cctcagaaat	aaattgtatg	aaaaacaaga	acattgtgga	agtggaaact	gagaagtcag	16500
ttatcagtca	tgggtgtatg	gaaatgacac	atatacacag	atctttaaca	tttttaaadc	16560
tatactttct	cttaaagaat	tgaataaaaa	ctacaaaacg	agctttctca	aaccatggaa	16620
gcaaagagta	aatagtatcc	attattacta	aatacttttg	caaagttcat	ggcatctcag	16680
ggaaggctga	agcacttggg	acacctaaat	tcttagtagt	cacctccttc	tgtttcagga	16740
gtgactttgg	tacagtatct	gtttccttcc	attgaaagaa	ggagctttgg	aggcaaacac	16800
ttccttcctc	acaggatagt	gactctcagg	agtcgaccct	agatccatct	attccagaag	16860
acccctgtgg	ttatataaat	aaatgaaagt	cggctgggcg	tgggtggctca	cgttttgtaat	16920
cccagcactt	tgggaggccg	agggtgggca	atcatgagggt	caggagtttg	agaccagcct	16980
ggccaacatg	gtgaaacccc	atctctacta	aaaatacaaa	aaattagctg	ggcgtgggtg	17040
caggtgcctg	taatccgagc	tactcaggag	gctgagagag	gagaatcgct	tgaacctggg	17100
aggctgagggt	tgcagtgagc	cgagatcaca	ccattgcact	ccagcctggg	caacaacagt	17160
gaaactctct	ctctcaaaaa	aagaaaagtca	tccacttaaa	gcatagatat	agtgtgtcag	17220
aatcaaacca	tagattttaac	cttaacaatt	gctatattta	agaactatgt	tgaggctcag	17280
tgtggtgggtc	ccagcacttc	aggaggccga	ggcaggtgga	tctcttaagc	cccagaatat	17340
gagatcaacc	tgctagcctg	ggcaacatgg	cgaaatccca	tctccaccaa	aaaaacaaaa	17400
acgaacaaaa	acctatgttg	aggccagata	cagtggctca	caccgcgtat	cccagcactt	17460
tgggattact	caagaaggat	acttgagccc	aggagtggga	gaccagcctg	ggcaacatga	17520
caagactttg	tcacttaaaa	acaaaatttt	tttttagatg	gaagcgcta	ggctggagtg	17580
cagtggcacg	atctcagctc	gctgcaacct	ctacctcccg	ggttcaagtg	attgtcctgc	17640
ctcagccaaa	aattttttta	aaaattagcc	gggaatagtg	gcctcagcta	ttcaggaggc	17700
tgaggcgagga	caagtacttg	agcccaggag	gtagacagag	ggagaccctg	tataaaaaaca	17760
acaacaacaa	caaaactacat	tgccacccca	gaaaagcttt	taatcaagaa	caagtagtat	17820
tgaacctgat	atttcaaaaag	catttttgtg	ctgatgacgt	tgtcgtcttg	gactgtagta	17880
aggaccctag	gatggttttc	ccaaatgggc	agtcttgacc	tctctattaa	gtctgtgatg	17940
ttaggatgtc	agctgtttct	ttcatctaaa	agccacttcg	aggttgcttt	caaagtagtg	18000
ggagtaacta	ctggactcca	cccagcacaa	acctcacgcc	atctcctgac	actgcaatgt	18060
gactcttcag	ggcttttttt	tttttttccc	tttcttcaga	cagtctcgct	ctcgctctgt	18120
caccagggct	agagtgcagt	agtgcagtca	ctgcttactg	caacctctaa	ctcttgggct	18180
caagcaatcc	tcctttctta	gcatcccaaa	gtgttactgg	aaaggggtcc	caatccagat	18240
ccaagaaaag	ggttcctggc	tctcaacaca	ggaaagaatt	tggggcaagt	ccacagagta	18300
aaaaaaaaatg	gctactccat	agacagagca	gcagtatggg	ctactcgact	gagtaaat	18360
atagttat	cttgatccat	atggtaaaaa	aagggtagat	tattcctgac	ttttccagga	18420
aaggggcaga	gatttcccca	gaactgaggg	tccctccctt	ttttagacta	tatagggtaa	18480
cttcgggaca	ttgccgtggc	atttgtaaat	tgtcatggca	ccagtgggag	tatcgtttag	18540
catgccaatg	cattacaatg	agcagatcat	gagcagtgag	gacgaccaga	ggtcacactc	18600
aaggccatct	tggtttttgg	ggcttttgac	tggctttttt	tcttttttct	ttcttttttt	18660
tttttttctc	tgagacagag	tttcgttctt	atcaccaggg	ctggagtgc	atggcgtgat	18720
ctcggctcac	tacaacctcc	gcctcccggg	ttcaactgat	tctccctcct	cagcctccag	18780
agtagctgag	actacaggtg	ccgcgccacca	tgccagcta	atttttgtat	ttttagtaga	18840
gacaggggtc	caggcatgag	ccaccatgcc	cggccttggc	tggcttcttt	ttaatgc	18900
cctgttttat	ccacagggtc	tctgtaacct	gtatcttgtg	ccatccttct	agctcatact	18960
gtgactaaga	atgccttacc	tctggggaag	acagctcagt	aggctccagc	cttattttac	19020
ttagccctta	ttcgagatgg	agttgctttg	gttcaaacac	ctctgacaaa	agtgcataaga	19080
tgagccactt	caccagcct	caacagcctc	ttgactgggtc	tccctgactt	ctgtttttcc	19140
tcacccctca	ctcaatgacc	ccatcctgggt	atactgtaaa	cctaaaaataa	aattctaagc	19200
tccaacccat	ctgaatggaa	cccttgtctc	agccaagggc	attccaaagt	taacctgaaa	19260

agtcggggat	aggggtgggga	tggggacttg	aatgaggatg	tggggcgagc	ggccccggcc	22560
ctggggagcc	cagctttgat	cctaaggact	cgcgaacccg	caaagggtggc	gtttcatctc	22620
ctaggaccta	gggaatcgat	cttctgtttc	attctgcttc	tcccagatgt	ccccggcccc	22680
cagaaagtta	gccatgctgt	cagcgtgtgc	gccctgacac	agagtccaga	agtggtggggg	22740
cagcctgtgt	ctgcccgggt	cacacccgcg	ggcctggcct	gatggagggt	gtttgtgaaa	22800
gtccatttag	gagcctggaa	ggcgcgcgcg	tgtaaatgta	gataacccca	ttctgtcgcg	22860
gcgtttctgc	atcacaccac	tataggaacg	gaaagggcag	catttttatg	cagacctgac	22920
ccctggaaac	caaggcgcgtg	attgggttaag	cggccttccc	agaacgcgct	gtggccgagt	22980
cacgcctccc	tgggtttgtc	ccattggaga	ctgcgccatc	ctgaagctgt	cgggatgaaa	23040
tgggaagcatg	ttactgtctg	taattttattt	attttattttt	aaattttttc	aycagtagag	23100
cgctgagagg	aatctgtaat	ttagtatttg	ctttgagata	agcgaatgct	tcctttgtag	23160
tcaactccttt	tcaactcattt	tctgaaaacg	ttttccttta	gaagtatgaa	acttctgggt	23220
ttcctttcttt	caaattcgaa	tctcttcaga	catatctaag	atgattgccc	tacaagccaa	23280
ccttgatatag	ctgaggagaa	aagaaaatca	gacttggttc	cagcaactaa	ataaaattgt	23340
ttttaaaaat	ccgattgggtc	gtataaataa	ctgcaaaaaa	aatagtaata	ggttgatgca	23400
aaagtcattg	cggcttttgc	cattaaaagt	aatgacaaaa	aaccggaatt	acttttgcac	23460
caacctaata	tgattcagggt	tacttttctc	ctattacttt	ataaatgttc	ttatattctg	23520
attacaaaag	tgcatgctca	ttctaaaata	tgatagagtt	acaggtagat	ataatgacag	23580
aaattgaagg	ctcagttttg	tatatgtatc	aatacttatt	aatcagctgt	attctttttg	23640
aggtttgctt	tgactttttc	actatwaggg	acaacatttc	tttttttctt	ttcttttttc	23700
ttttcttttc	tttttttttt	ttttttttga	gacacagtct	tgttctgttg	cccaggctgg	23760
agtgcagtgc	tgcaattctc	tgctcactgc	aactctgcct	cctgggttca	agcaattctc	23820
gtgccttagc	ctcccagagta	gctgggatta	caggctaatt	tttgattttt	tagtagagaa	23880
ggggtttcac	tatgtttggc	aggctgggtc	cgaactcctg	acctcagggtg	atccaccgcg	23940
cttggtctcc	caaactgctg	ggatcatagg	tgtagccac	tgtagccggc	ctagggacaa	24000
tatttcaatg	aacaagggtt	tgactaaatc	ttatgccttt	aaacatcaaa	ttttgaggaa	24060
ttggaatagc	agctctttga	tgaaatggta	taagtacata	gaaaactaag	caaataatta	24120
ttaactgcag	ggaaatgaaa	agtaaggaaa	actgagaacc	aaaatgttat	cagagttgtg	24180
aataggattg	acatagtctt	aatatatga	acactgaatg	tttactaaaa	agagatttta	24240
actctattgg	gggtaatgag	aaagggtattg	ggtatgtgat	aggggatggt	gggaggaatt	24300
gggggagaga	agaagctaaa	tcacttttcc	ttgtgggaac	tcaatagaga	atgcctaaaa	24360
ctgagaaact	gagaattttc	aatgcaaatg	ttatctcaag	acctggagat	acattttctaa	24420
atgatcagggt	aaatgagata	aaaatatattg	ccgccagaaa	tgatagctca	cacctgtaat	24480
cctagcactt	tggagggtg	aggcaggagg	attgcttgag	cccaggagtt	caaggccagt	24540
gtgggcaaca	tagcaagacc	ccacatttca	aaaaaataaa	aaattaaaaa	gaaatagaga	24600
agtggtaaca	tttgccctag	cttttcttct	tttctttttt	tttttttttt	ttgcaacaga	24660
gtttcactct	gtcagccagg	ctggaatgca	gtggcacaat	ctcagctcac	tgcaacctct	24720
gccttctggg	ttcaagcaat	cctctcgcct	cagccttcca	agtagctggg	actgcaggca	24780
tgaccacca	ctccgggcta	acttttttgt	gttttttagt	ggaaacaggg	tttcaccatg	24840
ttggccaggc	tggtctagaa	ctcctcaact	ctggtaatac	actcacctca	gcctttcaaa	24900
gagctgggat	tacagggtgtg	attacagggtg	tgagccactg	ctttgaagtg	aacagagtct	24960
ggactggaac	tcagtatttc	ttatgctata	tcttaaaatc	ttagccctta	ttgcaacaaa	25020
ctaactttat	tttctfaactt	tgaacataga	gccagactga	cgtcagtcta	tccaggaaac	25080
tgtccagaag	gcaaaggaaa	cagtgggttgt	tgattaagggt	tggaccaagt	gctgggagggt	25140
ggctttgcag	tggctaattg	ggggaaatgc	tgaagtcaca	aacagccttg	cttctgcttt	25200
ggtcagctca	tcctggacag	cgtctctaag	ctccctacat	gtttaatgct	ttggaagtct	25260
agtttttgtt	gtttttaatg	agagaagaga	aaagcagagt	gactttttcc	ccctcaagcc	25320
tcaaggaggc	tgacatagct	cttgaaggca	tgtgtggacc	cagagaatac	agggactgaa	25380
ggttatagaa	ggattccaga	ggatgagtggt	agagtaccgt	gttttctaaga	cacctgtttc	25440
ttctcatccc	tgaaatcagt	gtcttcctgt	ctgtgggttat	caactgttgg	caaggaggca	25500
ggtatggcat	agttctcatt	gcttacacct	gtgccggcat	caaaacatgc	agaaggggca	25560
tcattttctgt	gtaagaggta	ggtgttagaa	aaataaaaaat	gcaattaaaa	agaaggggca	25620
tcagcaacct	cagaggaaac	cccagagaca	gtagtagaac	attttttttaa	cccctgaatt	25680
gaatggagag	caagtaagggt	aaagtttgag	aggcttttaa	aaacaggaaa	gctctccata	25740

atttccaaagt	ctgcttaagg	gccagacca	atggctttta	gtttctttta	tgaattgttt	25800
gtttgtttgt	ttgtttgttt	tgagacaggg	tctcactctg	tcacccagac	tggagttcag	25860
tggcgcaatc	ttggctcact	gcagcctccg	ccccccaggt	tcaagagatt	ctcctgcctc	25920
agcctccgaa	ggagctggat	tacaggctcc	tgccactacg	cctggctcat	ttttgtattt	25980
ttagtataga	tgaggtttta	ccatgttggc	caggctggtc	tcgaactcct	gagctcaagt	26040
gatctgcctg	cctcggcctc	ccaaagtgct	gggactatag	gcatgagcca	ccatgcccg	26100
ctgaattttt	gttttttgtt	tttgtttttc	ttttaatgct	gtatcaccaa	catgtttgat	26160
ggcacaaaagg	acaaagtgtc	atagaaaagt	atgggttggt	gactgagtta	aagtgttact	26220
caaaaggatg	aggatgtaaa	gaagttttag	gaatccctga	atcaatttat	tttgcctata	26280
tttttctttc	ttttcttttc	tttttttttt	ttgagatgaa	gtctcactct	gttgcccagg	26340
ctggagtgca	gtggcgcaat	ctcttctcac	tgcaacctcc	gcctcctggg	ttcaagcgat	26400
tctcctgcct	cagcctcatg	agtagctggg	attacaggca	ggcaccacca	cggccggctg	26460
atttttgtat	ttttagtaga	gacgggattt	catcatgttg	gtcaggctgg	tctcgaaactc	26520
ctgacctcag	gtgatccacc	cacctcggct	tcccaaagtg	ctgggattac	aggcgtgagc	26580
cactgccccg	acctattttg	cttatatttt	tctaagtaaa	taaacatatc	tgtgtaaata	26640
tgtctaaatc	taaaagctct	tttagtaact	ttttaaaaag	taagtgatta	gaaaagtgtc	26700
atagtttaat	tggaaatggt	tttcttttat	cagtgggtata	taaaataatg	gttcatttta	26760
taagtaatgg	tatcttagat	tgaatacaaa	ggctgagcac	tgtggctcat	gcctataatc	26820
tcagcacttt	gggaggctag	ccccttgagc	tcaggagttc	cagaccgcct	aggcaacata	26880
gtgaggccct	actataaaaa	atttaaaaat	tagccagggg	tagtggtgaa	tgccatatagt	26940
cccagctact	caggaggctg	aggtggggagg	atcacttgag	cctgagaggt	caaggctgca	27000
atgagctgtg	atcgtgccac	tgactcttag	ccttttttga	ccctgtatca	agaaaaaaag	27060
aaatagaaaa	aaaaagaaat	acaggtagaa	aggtggaaag	gaaccacgaa	gtggcagttt	27120
ctgctttgct	agagaccac	aactggtgcc	aaagagtatt	tttagcttaa	aaagaaagga	27180
gcacccggtg	atgacaagta	tatggtgaaa	tagacactgg	tataaactag	gaaattaacc	27240
tttaataaaa	gaatatgggc	cgggcgcagt	ggctcacgcc	tgtaatccca	gcactttggg	27300
aggccgaggg	ggatggatca	cctgaggtag	ggagtcttag	accagcctgg	ccaacatggg	27360
gaaaccccg	ctctactaaa	aacacaaaaa	ttagccgggt	gtgatggcag	gttcctgtaa	27420
tcccagctgt	ttgggaggct	gaggcacgag	aattgcttga	acccgggagg	cggagattgc	27480
agtgagctga	gattgcacca	cccatactcc	aacctgggca	acagagccag	actgcatctc	27540
aaaaaaaaaa	aaaaaagaat	acgacttaaa	tgaatgaaat	gtacgcaaac	aaaacagaaa	27600
ccaaacaaaa	ttccaacaaa	ccgtcagatg	ctgggaattc	ctgacgggga	aaaaagtcac	27660
acatcaggat	actctggaaa	caatggcact	tgaatttctg	gcaattcctg	cagtcagggtg	27720
gtgtgctggg	tatgagggtat	tgtctcagct	ccaaacccac	cctcctacgc	tcagcttcca	27780
ggttctctgt	gagatgctgg	aaaccacctt	cttccctgc	agcttctctgt	taggttctgc	27840
cagtaggagg	catgatgagc	cttgttctgg	gagtgcagaa	aaaaagaaat	gaaaccagtc	27900
accactgcc	gggtgaagaa	ccactgtgga	tgccacaaac	agggacaacc	agcaaacagg	27960
aaggagcagg	acgcctctcc	taccggcttc	aaggttccct	ctagtgcattg	cttccctcca	28020
gctcagaggt	cctggcccc	tctgggcgc	ggtcccttct	tgaagtctga	ggctcagctc	28080
ttcgaggcct	cttccctgaa	cctctaagtt	ctatcagtc	cacccgcttc	cccttcttct	28140
ctagtcttag	gtgtgggaaa	tgttccctgc	agctactatc	tctgtgttgc	tgggatatcc	28200
cctttttacg	tcttcagctc	tctaatacct	atgggactat	ttattcccta	tgttaaattc	28260
ctcttggtgca	gggtgcgtgg	ctcatgcctg	taatcccgag	actttgggag	gctgaggcgg	28320
gcagatcacc	caaggctcagg	agtttgagaa	tagcctggcc	aacacgggtga	aaccccatct	28380
ctactaaaaa	tgcaaaaatc	agctgggcgt	agtggcgcac	acctgtaatc	ccagctagtc	28440
aggaagctga	ggcaggagaa	tactcgaac	ctgggaggtg	gaggttgctg	tgagtggcga	28500
ttgtgccact	gcactccagc	ctgggcaaca	gagtaagact	tcgtctcaaa	aaaaaaacaa	28560
aaaaattccc	tctgactctg	ctcagtaac	gcgtgtggat	ttcatgtgta	tctctaaagg	28620
gttatcctcc	tttaaccatg	agaaatcttt	tcagttagag	ttcttatgag	ctattataga	28680
agagccctga	atcaggagtc	agcaaaccaa	gacccctgtc	ccacaaggtc	ctagtcccaa	28740
ttctgtcact	gggtttcata	acctcacctc	caatttatct	atccatatac	agggcattgag	28800
agtaccacac	tctctcctgg	gatatgcaga	ggaatcacgt	gggacaatga	atggatataa	28860
aaattgttcc	aaagcctgta	tatacgttgt	agatataagg	tgggtggtgtg	atatgtgaat	28920
tctcttggct	aagtaccagt	tggagggttag	atagcgacct	agaatttgtg	ttaaagaagt	28980

agtagccttt	gaatgcctgc	ctttgttagc	tattgcacat	atgttaaact	tactttcaac	29040
taaatggaat	taaataattg	at ttattcag	tgttccaagt	gataacagag	gagcacagcc	29100
aaacttcgcc	agccccagga	gggtgagagt	ccagcttggg	gacaggtcat	ttgtgggaga	29160
cacatccttt	ccatcgaaac	ttctctcccc	cctctctcca	ccctgctctc	cttctcacc	29220
actctgccag	atgcattgat	cccacgggta	cccagagcac	atgtacctga	ttagcctgga	29280
tcctctctct	ctgagatggt	cctgcacccc	atcacttcac	ttccttcagg	actccaacaa	29340
gttgggtcat	cctgaatatt	taaaaatttc	tgttaaattc	tttttgggtt	tttttgttgt	29400
ttgtttgaga	tagagtcttg	ctctgtcacc	aggctggagt	gcagaggcac	gatctcggct	29460
cactgcaacc	tccaccttct	gggttcaagc	gattctcctg	cctcagcctc	cctagtagct	29520
gggattacag	gtgcacgcca	ccatgcctag	ctaatttttg	tatttttaat	agaggcgagg	29580
tatcgccatg	ttgcccaggc	tgtctctgaa	ctcctgagcc	caagcaatcc	accacactgg	29640
gcctcccaaa	gtgctgggat	tataggcata	agccaccacg	cctggccaat	ttctgttaaa	29700
ttttaccttc	attattctct	aatttttagcc	tgttctattt	ctgtcagcgg	cacttgtcac	29760
tgttttctac	attgtccatc	gggaatgtat	gccccattag	gatggggact	ttgtctattt	29820
tgtttaccat	tatagtctca	ttatttgaaa	tagtgccctg	cgtgtttcca	aaaagtagct	29880
aacagatcaa	tgagtgaatt	taacaagtag	acactattga	tgggtgtgtg	ccaaatctgt	29940
ccccgcgaa	cttggaatgg	aaggatgtgc	acaggcaagt	atacagacgt	agatgcctgg	30000
tgtgtgtgtt	tttcaggaag	at ttgtccaa	cctgctgtct	tcatttggaa	tttttaaaat	30060
aatttttagac	at ttgtgtcc	taaaaagagg	accagatttg	aagtcacctg	atctcaaadc	30120
ctgtcttcac	cattacttgc	tgtacctctg	ataaatgccc	taatctcact	catccttgat	30180
tttgtcatct	gtgtaatggg	aaaatacctg	ttctgcctgc	ctggggcttt	acatttattg	30240
taaagatcaa	aggaaatgag	cttttcccc	tcccacagtg	tgttggagtc	tggattcttc	30300
tggcagttgt	ctcctggcca	ctatcctctg	ttgcaagttg	agaaatgtgc	tcttttcttc	30360
ctgtccaacc	ctaaagatct	agaaggtgtg	gatccatcac	agagagttac	ataagatttt	30420
ctaccagat	cccaattgaa	gaaaatccac	aggagacaag	gcaggctctt	ttatttattt	30480
tttattttat	ttttttgaga	tggagtctcg	ctctgtcacc	aggctggagt	gcagtggcaa	30540
gatcttggct	cactgcaacc	tccaactccc	tgggtcaagc	gattctcctg	cctcagcctc	30600
ctgagtagct	gggattacag	gcacgtgcca	ccactcccag	ctaatttttg	tatttttagt	30660
agagacgggg	tttcaccatg	ttggccagga	tgggtctgat	cttctgacct	catgatccgc	30720
aaggcaggct	cttttcatcc	tacctataat	gactagtcca	tcattgcctc	agtaacttga	30780
tcatcagccc	tggtagcaga	tatccctccc	cgaagctgat	gaaacagggc	agagaggaag	30840
tatccaagag	aaaaggagg	gaggtttctc	taaaacaaga	cctaagagaa	ggaacattat	30900
tgtctagaaa	gaaagaaata	attgaaagtt	tctgaaaatt	gagatttctt	catttcaaat	30960
gaccttatta	ttagcctgaa	aaagcacaca	cacaaaaaat	ctcttcctta	cgtaaatagta	31020
atgggtggaa	tcaaaatgaa	tccatagatg	gtggatccag	atgggaatgc	tgtcacacga	31080
tagtagaatt	gttctgggaa	tccacagtgg	gaaaggatca	gttgtagcaa	aaagatccag	31140
agttgtgcag	agggaccatg	tccagcagtg	atcacttttc	agtaaccgtg	ctttcctgat	31200
catcatttta	gcatactgt	ttggcaagac	tgtggatggg	aggagtggat	accagttttt	31260
tttactgcc	tacatatgct	tcataagctg	tattttgtct	tttttctct	acagacctct	31320
gtcttctttc	ctttcatgcc	cgtaatttat	caaatagata	tggttttta	actttgtctga	31380
tttgacatag	cttctttttt	catttctattg	attgtacta	aaagatgcac	aaggcttttca	31440
ggtcctcaca	cgaatgatga	gataagatcc	aacatcaaga	atctgaagca	aagacactcg	31500
tggtttcaga	atctataaac	agagt ttgg	aaggccgggt	gcggtggctc	acgcctataa	31560
tcctagcact	ttgggagcct	gaggtgggcg	gatcacccga	ggtcaggagt	tcaagatcag	31620
cctggccaac	atggtgagac	ccagtctcta	ctaaaaataa	aaaaattagc	tgggcatggg	31680
ggtgggcact	tgtaatccca	gctcctcagg	aggctgaggc	aggacaattc	cttgaccctg	31740
ggaggcggag	gttgtagtga	gccgtgattg	cgtcactgca	ctccagcctg	ggcgatagag	31800
ttagacccc	gctcaaaaaa	aaacaaaaaa	aaatagagct	tgggtgattt	ctgttgagtt	31860
tgagtttgtt	ggaggaatgc	ataatgatta	ggattaggtg	tttttctatt	ttaacaagtt	31920
gacttctaga	gacatagaag	actattctga	catgtactt	aaaatttcca	tacaaattca	31980
ggcatatttg	taaaaaagaa	aaaaatatca	gtgcaaaata	agcaagatca	catgagacaa	32040
ctgaaaggca	caaatactat	ccagatgttt	tttgttattg	cccat ttatt	ttggccagtg	32100
aacatttgaa	aggcccagat	atgaagttca	gggaccatgc	actttgtgtc	tctccccagt	32160
attaatgcac	ttacatctat	ctgcttttct	cttttaqtgq	aggaqataat	qctgttgtg	32220

tacagcaaga	cagtgggtca	ttgtgtatatt	acagaagtga	tgtggattcc	tcccagactc	32280
attagtgacc	agggctgctg	ggcctgtttg	ggtttcctag	actagagaag	aagacaggaa	32340
ccaggatggg	aagacggaca	tgttacatatt	taagctggag	cttccccctgc	agtccacgga	32400
gcacgtttctc	ggtgtgcagc	tcattcctgac	ttttctctat	cgattacacg	tgagtcagtc	32460
cgctgggagg	ctgtcctctc	ccttgtgtct	tttttagtaga	ccagagtcct	tcttctgatt	32520
tctagaagac	ccgcactcta	gcgggccctc	ttccccatgt	agtttgggat	ttaacttagg	32580
ccaatggaat	ggttttctact	agtcataatta	actgacatgg	gctattaata	gctcagaagg	32640
ttctaggcag	tgtttcctgc	atggctacgc	taggtatgtg	agggcctctt	aggtttcagc	32700
caagacaggt	gactcttagc	acccagagcc	cttcagatct	gatggcgggt	ggtattgttg	32760
gtcctttctaa	tgatttcaga	ggatggcgac	cctcgtgatg	cagagcatgg	cgtttctcca	32820
gtcctccttt	cctgtcccgg	gatcccagtt	atacgtgaac	ggagacctga	ggctgcagca	32880
gaagcagccg	ctgagctgtg	gtggcctaga	tgcccgatac	aacgtaagag	cgcttctcat	32940
tgtccagctc	ctttgtttct	ctgtgttact	gttcattaag	ttctttaaag	aggggaatga	33000
aaagtagaaa	tgtcaggcca	ggcgagtggt	ctcatacctg	taatcccagc	actttgggag	33060
gcggagatgt	gcggatggat	cacttgaggt	ccggagtgtg	aaaccagctc	ggccaacctg	33120
gtgaaaccct	gtctctacta	aaaatacaaa	aaattagcca	ggcgtgtggt	gcgtgcctgt	33180
aatcctagct	acttgggaga	ctgaggcagg	agaattgctt	gaaccagga	ggtggagggt	33240
acagtgagct	gagatctcgc	cactgcactc	cagcctgggc	aacagagcaa	gactctgtct	33300
caaaaaaaaa	aaaaaaaaaa	aaaaagaaaa	agaaaagaaa	agtagaaata	tcattttctt	33360
gtgggtggca	ccaaagaggg	tctctgtaga	attcttgcca	tgaatttttt	caaactacag	33420
agaaggtaca	cgcatagtta	cacctagaag	ggaagagaaa	caaaatctgt	gtttgtcgaa	33480
gaactaaatt	gcttattgct	tttaggtcca	cgtgggtgca	cacacacaca	ttgtgtcttc	33540
catacacacg	cttggtcaca	cgcaggatgt	actccgaagg	acactgtaaa	atgatgatgt	33600
maaatgttca	tgtaaagtat	ttcagaaaata	ttactagcca	tagtttactg	aactcataac	33660
atatgccacc	cctgarkkca	ggcgtttacc	taatcatc	tcctttaatc	atcakggsra	33720
cctctgagct	gcttgacttg	tcctttcccc	gcactccagc	cacttgtccc	atcactgccc	33780
ccgcttgctc	ccttccagcc	cccctggcct	ttttgctgtt	cctcaaacc	aagaagcagc	33840
tgccacctca	gggcttttgc	ttttgccatt	tcctctgcca	ggcatccatg	tggcttatcg	33900
gaccatgcca	ttcagggtccc	tgttcagata	tccccaagcc	cagtccttct	ctgacctgct	33960
tctacagtag	cagccccctcc	ttccaccatt	cctcagccag	actctccctc	ctgccgcctg	34020
gcctactcag	gatattgtgt	tgtgtgttta	tttgcgtgct	ccctcagcct	tgacagcagt	34080
ggcatctcaa	atactatcac	atccgtgcct	agcacactgc	ctggcagatg	gtaagctcac	34140
agagatactt	gtttaaataa	tgaactcatt	ttgcagaaga	cgtaactggg	gcttaaagtg	34200
attaattttc	ccaaaggctc	aaatcttgaa	agataacaga	gcctgtctgt	gtgcagaact	34260
catgcactca	atcactcatt	cctcactttt	attttatcac	aatggggacc	atagaagttg	34320
agctgaggta	cttctgaaaa	tgaaaaaggg	atgttatcgg	ttattacagc	cataaaccca	34380
gacttgtaga	tatatagtgg	gttttactgt	tgctctgact	ataatcaata	taagttgtaa	34440
agaataggaa	gctgcaacat	atgaaatgaa	tatggcactt	tttgtttgaa	tgtctatata	34500
tcagattaca	ttaacagcaa	gcaattattt	cctcctttaa	gggattatat	gcttatgggt	34560
tgcattttat	ctatatctct	atattttaaaa	gtgataaaga	acttagcacc	cagaaaagac	34620
caagaaaatg	acaaaggagt	tggaaagtatg	gtttcttttt	tttgtctttg	tgtaggggtw	34680
twtatttgta	ttttattttt	atttttgaga	cagagtcctg	ctctgtcacc	caggctacag	34740
tggagtggca	tgatctcggc	tcactgcaac	ctctgtctcc	caggcttaag	agatcctctg	34800
atttcagcct	cctgaatagc	tgggattaca	gccatatgcc	accacgcctg	gctaattttt	34860
gttttctttg	tagtagagat	ggggtttcac	catgttggcc	agactggctc	cgaactcctg	34920
gtctcaagtg	atccatctgc	ctgggcttcc	caaagtgttg	ggattagagg	cgtgagcttc	34980
catgcctggc	tttttatttt	tttttatttt	tatttttttt	tgagagatga	agtctttctc	35040
tgtttcctaa	actggagtgt	agtgagtggc	atgatcatca	ttgactacgg	ccttgaactc	35100
atggcctcaa	gtggctcctc	tgcctcagcc	tcccaagtca	ctgggattgt	aggcatgagc	35160
caccacacct	ggcgaaaata	cggctctgtta	aaataattta	aggaattctt	tctcccgcctg	35220
agataaagag	gggtattttta	aaaatagctt	taaaacctgt	aaaacatgga	cactgacccc	35280
ttattttccat	ccacagaaag	aaagactgag	agtaaattggg	cttaaattgt	tgcaagagag	35340
tttattcatc	tttgaagaga	agattattga	tactgcagta	ggccaccaag	aacaagaggg	35400
tgctctgtgg	gaccagcctg	ggtgggcagc	agcctgtttt	attcatcttt	gaagaaaaga	35460

tatttgat	ac tgcagtagg	caccagaag	aagagggtgc	tctgtggga	cagcctgggt	35520
gggcagaag	gtagaaggaa	aaggggagga	gtctccagg	tgctcacacc	acatcctcct	35580
cccgtgtcc	agatatccgt	gatcaacggg	accagcccc	ttgcctatga	ctacgacctc	35640
acccatattg	ttgttgccta	ccaggagagg	aacggtgagt	cacaggtaga	gcccattcag	35700
ccgctgtcca	ggactttcaa	ggtagtgagg	ggcaacagag	acaagcagaa	ctggaacctc	35760
tgtgatgaaa	atgtcaaaac	ccgtgaatgc	tcaacgatgg	gagcaaata	gctgtccagg	35820
atttgtcttt	ttcgctcctga	tcttcagacc	tgggaccgcc	ccccccctc	cagcatccca	35880
tggtccagca	ggctagtgat	ggtaaatagc	catcattatc	ccaccactgg	cttagtgggt	35940
ttctctttta	aaaaatataa	gcctaattga	gttgttcccc	ataccacacc	tatccacacc	36000
tataacagat	gccaaagaca	aattgctgtt	catgcttttc	agagaaaaac	agagaacgtg	36060
ggtgactctc	cccacattag	cagtccagca	ggagaacagg	agtgcctctg	tttcttgcca	36120
gaaggcacag	tgtgcttatt	ccttacagag	ctctaggcca	tggcatgtgt	ggactcggca	36180
cgtttgtctg	gtcgggtggct	gaggttttct	ctaaaagcat	ctacagtgtt	acttggcaag	36240
cagacatcat	ggagactata	cacagacgtc	tcacaagggg	gatgactgca	aatccagtat	36300
tgtttactga	ttttatggca	tatactagt	gcattattgc	aataatagag	ggaattttaa	36360
aacaaaagta	gaaaacattg	ccctacaaat	caactathtt	ttcattcctt	tcattcttta	36420
gccttctgca	gatcttttta	tacagccatt	gtagtgtaga	aacacattgg	gatccaagtt	36480
acttttat	atttaaactt	ggaatataaa	tacttcccca	cacagctaca	aagctgtgat	36540
actactttta	gtggcagtat	agtattcctt	cagttagcca	ttcagcacat	gtagaagaaa	36600
ctctttccaa	gttttttatg	tatttttaaca	aaagtathtt	gactattatt	ttaacaaata	36660
atgtgtgate	agctttgcac	atgcaatttc	tctttccttc	cgaatgattt	ctttcagttc	36720
tgaagcacag	gataatttcc	aggtatcaaa	taatctttat	agccttcaac	tgccagagtc	36780
aaacagccat	cgtgggtaat	ggttaatgat	tgcatgtcag	ttaccaccgt	cctgaatgat	36840
cccaacccca	tctggctggg	gggcagggcc	gcagatgtct	catttgtgat	taatgctatc	36900
atccgatacc	ctgtggaagt	catttcatat	cctttctggt	aaagagtcca	tgtaaaggct	36960
ggatgtgggt	gctcctgcct	ataatttcag	cactttggga	ggccaagggt	ggaggatcat	37020
ttgaaccacg	gagttcacaa	ccagcctggc	caagatagt	agtccctgtc	tctaccaaaa	37080
aaaaaaaaaa	aaaaattagc	caggcatagt	ggcgtacatg	tgtagtccca	gttacttggg	37140
atgccgaggc	aggaggattg	cttgagtcca	ggaattcaag	cttgcagtga	gcgatgattg	37200
tgccactgta	ctccagcctc	ggtgacagag	tgagaccctg	cctcttaaag	caaacaacaa	37260
tttaaaaaaa	atcaatggta	gctcagtttt	caaagaggaa	tgattcctta	gttgtctcaa	37320
gtagtaacag	acgtgggagg	ttttctcttg	gaaatcatga	cagggttata	gcctcataaa	37380
aatggctgcg	tctttgacat	cttaggtctac	atgtctcaga	aaatgactgt	atgtctgcta	37440
ttcatatagg	aacaaataat	tcatgtcttg	gtcctatttg	tttccaagca	attcttctag	37500
gtaagaatca	tccatattta	tgtcttaata	atcatatgat	atccctttta	tgctaagggt	37560
atgtgaaaca	ttcttgccag	tccctgtctg	acctaaactt	tggtttaatt	ttgacttagg	37620
tcgactaatg	gaaaatgaaa	ccaacaccaa	cactgcagag	aagcaaacia	aagagaaggc	37680
attttaactg	gggtcttagg	aattacaatt	ccagagacac	aaacctagga	agcagctaaa	37740
ttgtgttccg	tacaggtgca	attaggcagg	ggctaagggt	gttccaagtt	tacacaactg	37800
gaagatttta	gaagatggat	ggatggctgg	ttaacagctc	aggatatctc	tagtccatga	37860
tcaatctagt	ttggcatagt	tgtctgttta	ggaggttggt	catcaggctt	ggtatataaa	37920
tagctcaaat	caaagtgggc	tggttttacc	atttggccaa	gttcagggtca	gcttccatct	37980
gggtgtgtac	atgacagagg	tcttgcctcc	tttcgagata	cctctgcccac	agccaattcc	38040
atcttggatt	ttctcttcat	acttaacacc	atgtggccct	tcactcctta	actgtccata	38100
cttatcagcc	aggattcttg	gagatggtaa	agttcgccctg	ggtgcagtat	gtcagcatcc	38160
tgcttatctt	cctctgggtg	tttgaaaagaa	tcaagatctt	cgtgtttcag	aatcagggtg	38220
tgaccaccat	tcctgtgaca	gtgacgcccc	ggggagactt	gtgtaaggag	cacttatcct	38280
agaaaggcca	tttctgaaga	ctcagcagga	ccgtggctgc	ctcattgtca	tcttctggga	38340
acatcttagg	accttttgaa	agagcccagc	ggacacctgc	gggttgtgt	gcttttccct	38400
cagagacaac	ggttctttcc	ggttttgtct	tacacagttc	cgtatcttca	gagctcctgc	38460
agaattgtca	gggactagtt	tgtggaaagg	tctgagagtt	cctggaggct	ataattagct	38520
ttttgggttt	tccttctttg	ccttagcggt	gaatttcagg	agaaaattgc	agtcagttca	38580
gacatcttgg	aaagagtcct	atctctgggt	aagcagagac	ttttcctctg	ttgaactgag	38640
gaacacactg	tgcattttcta	ccttctgttg	tgagccactc	ttactctttt	cagggtctct	38700

ccaggctggt	cttgaactcc	tgacctcaag	tgatctgcct	gccttgccctc	ccaaagtgcc	42000
gggattacag	tcatatgcca	ccaggccagg	ctgagctggt	atgtgtaagg	ggtaggggtggg	42060
gagcttttat	ttactgaaac	atatcctgta	ttcattggaa	catgttatca	agcctgcgcc	42120
tctgggcgga	ggctagggca	gggagggcac	agctcctaag	gccacctggt	ctttcaactc	42180
ctcccagctg	ggacactgca	ccgggaggca	gcacggattc	ctgtgtcatc	aagggtgcctg	42240
ggtcttggt	tagggctgag	ggtggggcct	tgggaagggt	ttggattcca	agtcccttgg	42300
ctgcaaggat	gcccccaaga	gcgaggagg	ccaagattaa	gattcgactt	ccttcactag	42360
ggcctttgtc	ctcccaggag	ctcccagggt	ctctggcgat	tgggggggtg	aggaagggtt	42420
acaacgttca	tttgtggtca	gttagatgag	aagtgactct	gccagcgtcc	tttgacatcc	42480
ccggctaaaa	ggtgcgcctc	ttagagcccc	agccacactg	ggccctcctg	ctctgcctc	42540
ggccagcgcc	cctccccgag	acatggcccc	tcggtcgggg	gtggggagag	ggagctgggg	42600
gcaaaacctg	ctccttcctt	ccttctccca	tttccctggc	tcccgcgggc	caccctggga	42660
ccgcagccac	gtctgaaagc	tcctcaccag	gcagcgtga	agattgcggg	gcagcgccga	42720
gggttggtgg	ccggcgcgcg	gggagtagag	ggcgcgggcc	gcagtgcggg	gctccggagg	42780
gagctctgcy	ccgggtcctt	ccctgtggta	gccccaggac	acccccatcc	tcaacatccc	42840
attctgggac	tcctgccttg	ttcccagatt	cgctctgcct	cgagtctcca	ggagcttcca	42900
gtggcttggt	tacccccgac	tcttcgtcca	tgccctcttag	agcccccttc	ccagcctcac	42960
tgggtgtccc	ttaatagtct	tgggacctta	aggagcaagt	cagccccctgc	ggaacctccc	43020
agtgaagaga	aagagctggc	tgtgcgggtg	aacttggaag	agacgacgtc	tgggagcttt	43080
tgctgagccc	agggggagag	gcgtccctct	ggctgctgct	ccagctctgg	cagacacgcc	43140
aagctttgag	gtactttggt	tcttcattct	ccaccggagg	tgtccccaca	ctcggttggg	43200
ctggggggccg	ggccagtggc	ccagctgtga	cgctcctctg	tcctgcacca	gagacctggg	43260
ttggcgggaa	gagctggggg	tggcttttcc	atcagcaacg	tggaaagtcc	atctcccctg	43320
ctagcgtggt	tttggaaagt	tcttgctggg	gcttcgggtg	cacgcgggaa	tcctcactgc	43380
gcagggcagg	ggtcgggggt	cgggttctta	ttccatactt	gggtctcaaa	gggtgtggct	43440
ttcaaaagct	ctccatgaaa	ttcttgagaa	aaaatagctt	ggtgagttaa	tttgcaacca	43500
gactcagggg	aagtggagtc	gtgcctcact	gcctctaggg	ccttgatggt	aggctttagg	43560
aaaggccctc	tgggccccag	gacagtacag	gtgcctagga	aatgtttttt	tgtttgtttg	43620
tttgtttggt	tgtttcgaga	cggagtctcg	ctctgtcacc	caggctgaag	tgcagtggcc	43680
tgatcttggt	tcactgcaac	ctgtctcctg	ggctcagggt	atcttctgcc	tcagcctctg	43740
gagtaggtgg	gattacagac	gcccgcacc	acaccagct	aatttttgta	tttttactag	43800
agacggtggt	tcaccatggt	ggccaggctg	tccaattcct	gacctcaggt	gatccgcccc	43860
gctgaggctc	ccaaagtgt	gggatcacag	gcgtgagcca	tggcactggg	cccaaatttt	43920
tgtttttggt	tttgtttttt	cagatgggggt	ctcactctgt	cacagagcct	ggagtgcaat	43980
tgtgccatct	cggctcactg	taatctccac	ctcctgggtt	caagtgattc	tcctgcctca	44040
gcctcccag	tagctgggat	tataggcatg	agccactctg	cccagcta	tttagcgatg	44100
gggtttcacc	atgttggcca	ggctggtctt	gaactcctga	cctcagggtga	tctacccatc	44160
ttggcctccc	aaaacactgg	gattacaggc	atgagtcacc	gcacctggcc	taattttttt	44220
tttttttttt	ttttttttga	tatggagttt	tgctcctggt	gcccaggcta	gagtgcgaatg	44280
gcacaatctc	ggccactgta	acctgtgtct	cctgggttca	agctactctc	ctgcctcagc	44340
ctccaagtag	ctgagattac	aggcacctgc	caccagacct	ggcctaattt	ttgtattttt	44400
agtagagata	ggttttgcct	tgttgggccag	gctgggtcttg	aactcctggc	gtctgggtgac	44460
caccaccta	ggcctcccaa	agtgtctggga	ttacgggctg	aagccactgt	gtccaatgtc	44520
tagcaaatgc	aaatgttgac	ttcctttctc	tctcctttta	cacagaggca	aggcagtcaa	44580
gaattgcatt	ttggccaggc	gctatggctc	acgcctgtaa	tcccaacact	ttgggaggcc	44640
aagtctgca	tgcctcctc	tctacttttt	taatttcgtg	tgacctgttt	gtattatttt	44700
tctaaaaatt	aaacatgtaa	taaatatgtg	ccccagaaa	agaatcaaaa	aacggaagaa	44760
tttagagggg	aaggggacag	tccttccagg	atggaagagt	tcactggaca	aaggcttagg	44820
agtgtgaccc	accacagggc	cctgcaactg	gagctctggct	cttggaactta	agccccctgcc	44880
ctgcctcttt	cttactgggt	attaatgtct	ctgagcccca	ctgcttcaat	taaaacagat	44940
agggatgggt	atttctacct	ccaagggact	tgggaggata	acattcaatc	atgaagatga	45000
aagtgcata	cacagggcct	ggctgactgg	ttctccctaa	ctttgcaccc	ttggccaatt	45060
gtccactgtg	ctgaatgtaa	gtctccttat	cagaaagctc	ccagtgagga	actgggtcttc	45120
tggagactct	gtgtggcata	gagtgattca	accaccttaa	gaagacctct	ggctttcctg	45180

gaacacaggt	aacaaacacc	ttagcttggg	atcaagatcc	tccctaccca	gggaagggct	45240
gggctggcca	ggacaactgt	gtttgggcca	gagcagcagg	gtcctgcact	ctgcaggggg	45300
caatcacagg	tgggagaggg	ccacagcctg	ggatcagaag	tgccaggagc	ttcggaacag	45360
gagtcctgga	gtcccagctt	tcttgctgtc	tctctaagcc	ttgagtcttt	cacctgaaaa	45420
attgacatca	tcatgcccac	ctcagggccc	agagttaagt	tatccagtgg	actcgaagca	45480
cctagcactt	gtgatcattg	aagtcagcaa	atatgagttc	ccttcctttc	tggcactctg	45540
ttggcaaggg	agctcaccat	ccatcagcca	gcactggaaa	aagtacagtt	gcacttgtag	45600
cggaggtggg	gggctactct	cctcatcttc	cagggttttc	aggagtgggt	gtggggatcc	45660
agaaggcagc	tgggagtgca	gcaggtgaca	gaggtgttgg	gcatecctcg	ctcactcctg	45720
tccccgcatt	gaggcgaagg	agcagaggtg	agatctgctc	acaagttaga	ccctggcttc	45780
tctcagtggg	cagtgtggac	aggggaaggg	ggcaggcaag	gagcaaagga	tgcaggagca	45840
aggagaaaaac	ttccaggctc	ctcccttcca	aagtcaccca	gccttgagat	cattgcagat	45900
gcaacaggtg	caaacagaag	aacactttag	gaccttggaa	tgcgggaggc	tggctcagtg	45960
ttccttccac	cctgtgagaa	atgcgtgaca	ttcttaaggt	ccactaaagg	ctcaggggtg	46020
ttggacgcca	gaggatggcc	tgggagatac	agggattgga	agggtaggtg	gcctgtgggt	46080
gtctcctctg	tggggagact	caccaggtgg	aggggttct	ttctctccag	atgtagctca	46140
gcacagggac	agtaacagta	acaggggcat	gtgtgtaagg	aatgcttccc	caggccctcc	46200
cctcataggt	gtttgcagca	gcateccatca	caacagctct	aagaggttaa	atattgcaaa	46260
tcccattcta	cagaggtgca	aattgagcct	cagagaagtt	aagtcacttg	ccccaggtct	46320
catagctccc	cattggcagt	gctgggattt	ggagccagct	ctctcgcttc	catccatcag	46380
gagacccgcg	cagttcccag	ccatttgagg	aaatgcctta	ctcagactta	ttcaacctca	46440
gcaagcctgg	tgggtggtgtg	acatccgcct	aaaccgtcat	caagcccttt	agctccacaa	46500
cccaaaaggg	tctctctacg	agttatcctg	aagcaaaagg	caggcaggac	agctctgttc	46560
ccaccctggg	gagctttcta	tgtacagggc	tgtctctctg	tagggctctg	atctcctctc	46620
cttctgctt	tgccagatgt	cgagacatct	cccatggatt	tgtgatcagc	gttgcagctc	46680
tcccagcagc	cctggacggg	ggtgagtccc	ctcagctggc	caggacagta	ctctgctctc	46740
acctctctgc	ttcttgggct	ccatcccagc	tcccatcaa	ctgatcttct	tgcaaaccce	46800
cagggctcca	ggacaccctc	cttctggagc	ccatgctgcc	tacagcactt	cactccccac	46860
cagtgatgac	aacagttgct	gttctttgtc	cactttattt	acttgtttat	ctttaatgac	46920
aaaagttttt	tttttgttgt	tttttttttt	ttttttgaaa	cggagtctca	ctcttcactc	46980
aggctgcagt	gcagtggcgc	aatctcagct	cactgccacc	tctgcctccc	aggttcacgc	47040
cattctcctg	cctcagcctc	ccgagtagct	gggactacag	gcgccacca	tcacgcctgg	47100
ctaatttttt	gtatttttag	tagagatggg	gtctcactgt	gttagccagg	atggctctga	47160
tctcctgacc	tcgtgatccg	cccgcctcgg	cctcccataa	tgctgggatt	acaggcgtga	47220
gccaccgcgc	ctggctgaca	aaagttttat	acctgcctgt	taaaaaaatt	atataatata	47280
gaagcacacc	ttgtaaaagg	tgcaatcctc	agttatgggc	atgactgcgt	gttcccttcc	47340
cccatcttca	ttataataac	cccccaatcc	cccagatcc	tgtgagccag	gtaccggaat	47400
tatccctctt	tcacacacgg	gtaaagtgat	ccgtcacaga	gagatttaag	tgatcttcat	47460
aagcaagatc	ataggctagg	aagtggcaga	gccaggattc	aacctcggcg	agcctgggtg	47520
tgctctgaca	tccaccgaag	cccccatcaa	gcccttttag	ctccacaacc	taaaagggtc	47580
tctctaagag	gtatcctgaa	gcaaaagaca	ggagtctctc	ttgaaacata	gtatttctct	47640
ctacagatag	atagcctgta	ggtatgtaag	taggtgggtg	ggtgggtagg	tagacagttt	47700
gatgatatcc	cacattattc	tgcaactgga	cttctgctgt	gagcacagac	tatattctgg	47760
cctatgtctt	gactccgtat	tcctgggaaa	gtgctcgact	gagaccttgg	gagctctggg	47820
aagtccaatg	ggtagggtag	ccgaatctga	gggctgatcc	ctgagggcac	tgggcagtaa	47880
ttggggcatg	ggatgggcat	gagggcccg	gtccctaaag	ttgcccactc	caccggaagg	47940
ccccagccg	cccgcagtgt	gctgccacgg	ttctccagca	agacagtgac	agtgtcctc	48000
ctggcacaga	ccacctgcct	cctgtctctc	atcatctccc	ggccagggcc	ctcatcccca	48060
gcccggcgcg	aggatcgtgt	gcacgtgctg	gtgctgtcct	cgtggcgctc	gggctcatcc	48120
ttcttggggc	agctcttcag	ccagcacccc	gacgtcttct	acctgatgga	gcccgcgtgg	48180
catgtgtgga	ccacctgtc	gcagggcagc	gcggcaacgc	tgcacatggc	cgtgcgcgac	48240
ctgatgcgct	ctatcttttt	gtgcgacatg	gacgtgtttg	atgcctacat	gccacagagc	48300
cgaaacctgt	ccgccttttt	caactgggca	acgagccgcg	cgtgtgtctc	gccgcccggc	48360
tgcagcgct	ttccccgagg	caccatcagc	aagcaggacg	tatgcaagac	actgtgcacg	48420

cggcagccat	tcaagctggc	cgggagggc	tggcgctcct	acagccacgt	ggtgctcaag	48480
gaggtgcgct	tcttcaacct	gcaggtgctc	taccgcgtgc	tcagcgaccc	cgcgctcaac	48540
ctgcgcacgc	tgcacctggt	gcgcgacccg	cgggccgtgc	tgcgctcccg	ggaggcggcg	48600
ggccccgatac	tggcacgcga	caacggcatc	gtgctgggca	ccaacggcaa	gtgggtggag	48660
gccgaccctc	acctgcgcct	gattcgcgag	gtgtgccgca	gccacgtgcg	catcgccgag	48720
gccgccacac	tcaagccgcc	acccttctctg	cgcggccgct	accgcctggt	gcgcttcgag	48780
gacctggcgc	gggagccgct	ggcagagatc	cgcgcactct	acgccttcac	cggcctgacc	48840
ctcacgccac	agctcgaggc	ctggatccac	aacatcaccc	acgggtcggg	gatcggcaag	48900
ccaatcgagg	ccttccatac	ttcgtctagg	aatgcgcgca	acgtctccca	ggcctggcgc	48960
cacgcgttgc	ccttcaactaa	gaccttgccg	gtgcaggagg	tgtgcgcccg	cgcgctgcag	49020
ctgctgggct	accggcctgt	gtactctgcg	gaccagcagc	gtgacctcac	cctggatctg	49080
gtgctgccac	gaggcccgag	ccacttcagc	tgggcatcgc	ctgactgaga	actctggggc	49140
ttagagcagg	ccccgaactg	tggtcgccag	gccaggagg	cgactgcacg	gtggagaggg	49200
agctggggcg	catgggggaag	cagggtcccta	ctatcaaccg	ggagtttggg	gtcctcccct	49260
gaagtaggca	aggactgcac	gtttctttct	ctcctgattc	tcggttttcc	tttgagtctt	49320
ctggagctgc	cttctcatca	ggtgcactct	tcatggaaag	caactcttgc	ccctacctct	49380
tctgggcgca	gggagtaagt	tactgctaaa	ttaaattaaa	tgtgtgcccg	gccgggtgcg	49440
gtggctcatg	cctgtaatcc	cagcattttg	agaggctgag	gcgggtggat	cacctgaggt	49500
caggagttcg	aaaccagcct	ggccaacata	gtgaaacccc	ctctctacta	aaaatgcaa	49560
aattagtcgc	gcgtggtggc	acactcctgt	aatcccagct	acttaggagg	ctgaggtggg	49620
agaatcactt	ggactccaga	ggtggaggtt	gcagtaagct	gagatcatgc	cactgcaccc	49680
tagcttgggt	ggcagagcaa	gactctatca	aaaaaataag	taataaattt	gttcaaaagt	49740
cctgcaatct	agtgaactgt	aacctcattt	tttctctctt	ttttctttta	ttgcatgatt	49800
ccattttattt	aaagcagaaa	aactagtcta	tggatgata	ggtcagaata	ggggatactt	49860
tgtagggagg	atttgactgg	gatgtaacct	tatttattat	gtaaacaaac	tacaacttga	49920
ccaggcagta	tattcttgta	agaagaaagg	agtcttctcc	aatcatagca	gccagccttc	49980
agccaggggc	agactgcaga	ctgaccagat	gtgtccaaat	tagacaaagg	ttgagctgta	50040
accaatcagc	ctatatccaa	tgccacttcc	ttttctgttt	tataaacgct	gcttgccac	50100
tgttgctggg	tggaggtctc	tgaaccctct	ctaattgata	tctctcattt	aatggggagg	50160
gtttggcctt	taatcaccat	catccctgaa	caaagactga	ccaattggac	tcaaatgcta	50220
ttgaactatc	tttattgcat	ggactttgag	ttatttgatt	ttgactagtt	gtttgttgaa	50280
actcctgata	aggagtgtac	ttcagtttct	tggcattgtc	cactcatagc	catcataata	50340
gtctccctgg	tgggacacag	tgaactcacgc	ctgtaatccc	agcactttag	gaggccaagg	50400
caggcagatc	gcttgagctc	agaagttcga	gaccagcctg	gccaacatag	tgaaccctg	50460
tctctgttaa	agatacaaaa	aatagccagt	gtggttgtgc	atgcctgtaa	tcacagctac	50520
tcaggaggtt	gaggcaggag	aatctcttga	atccaggagg	tggaggttgc	agtgagccaa	50580
gattgcacca	ctgcactcca	gccagggtga	cagagcaaga	ctccatctta	aataacaata	50640
ataggccagg	cacagtggct	caagcctgta	atccggcac	tttggaaggc	caaggcgggt	50700
ggatcacttg	aggtcaggag	ttcaagacca	gtctagccaa	catggtgaaa	ccctgtctct	50760
actaaaatac	aaaaattagc	cagtgtggtt	gtgcatgcct	gtaatcccag	ccactcaaga	50820
ggttgaggca	ggagaatcgc	ttgaacctgg	gaggtggagg	ttgcagttag	ccaagattgc	50880
gccactgtac	tccagcctgg	gtaacagagc	gagactccct	ctcaaaaata	ataataataa	50940
taaaaataata	ataataatag	tctctctgat	gtgtgactc	ccctgggaag	tcttacatac	51000
tctatgcag	ccattcttta	taaatcaact	ggtctgttag	ggttagagta	acaaaaacat	51060
gaagaaagca	taaagaatca	ttcaactaag	gtgaaattgt	gaagtcaata	ctgaaacaaa	51120
acaagtccat	tatgatggtg	acaggaaatg	gagtcagggc	ccaaggtttt	ggtcaatctc	51180
tcaaaattga	gaggctgacc	aaaaggcaga	aatgtttaaa	ttcaattaaa	tttggcccaa	51240
agttcccagc	actttgggag	gccaagggtg	gcggatcatg	aggtcaggag	atcgagacca	51300
tcttggccaa	catggtgaaa	ccccatctct	actaaaatac	aaaaaattag	ccgggcatgg	51360
tggcacatgc	ctataatccc	agctactcgg	gaggctgagg	cagaggaatc	actagaaccc	51420
aggaggcaga	ggttgacgtg	agctgagatc	gtgcactgca	ctccagcctg	gtgacagagc	51480
aagactccgt	ctccaaaaaa	aaaaaaagag	aatttggccc	aaagctgctg	ccatacctgt	51540
tgaactgcaa	cctaacttaa	tatttaagta	aactgcctcc	caactgagac	tatattcttg	51600
taacaaatag	ttgaatctca	gcaagtcaca	gcagctgtgc	tttaaccagt	cacaqqctgc	51660

caactgatca	gaccaagtc	atataaggca	aatgtgtgag	tgtaccccat	cagactgttt	51720
ctctgtgtta	cttccaaaa	attcggcctg	ccagttgtttc	tgggtggagc	actttgaacc	51780
tttactgggt	cagggtgctg	cccgattcat	aaattttctt	tgctcaaata	aagtctgctt	51840
aatttgtcta	atgtttttct	attaacagtt	cagatgactt	ggcctctacc	caaactcttt	51900
ctttccccta	gactctcctc	tcttggaatg	catcctgaag	cagctgaaaa	ggggtgcccc	51960
gggcccagca	gggagcaaaa	tctggtgata	ttgcttctga	acatcccaca	tgtgccacac	52020
acgtgcaccc	ccccacacac	acacatgcac	actcacatgc	acactcacat	gcacactcac	52080
atgcacactc	acatgcacac	tcacatgctg	cacactcaca	tgcacacaca	gcctggactc	52140
tgttcccctt	atgcccctgg	caccacactc	catcaaagcc	attgaccttt	atatccccct	52200
gtgtcttcag	taagagggtat	atcaggccag	acatgggtggc	tcatccctgt	aattatcaat	52260
tacccggtct	ctggttattct	gttacagcag	cacaaaaggg	actaaaatag	gctccttaac	52320
aaaaagattc	acagacaaga	agtttgtttg	tttgtttgtt	tgttttgaaa	tagtgtcttg	52380
ctttgtggcc	caggctggag	tgcagtgggt	ccatcttggc	tcactgcaac	ccccacatca	52440
ctgactcaag	agattcgccc	atcttaacct	cccaagtagc	tgggactaca	ggcacatcac	52500
tatgccaggc	taatttttgt	attttggggg	gctacatgtg	tttcagtatg	tagccccagc	52560
tgatctgtaa	ctcctgtgct	cagccttccg	aagtgtctggg	attacagggtg	tgagccactg	52620
tgctgcccc	agaacagttc	attaatacat	gcagcatata	tcacacagga	caaacctaaa	52680
tgaaaagtaa	caacacagtg	gctcagaaca	ctgccttaca	cagcagattc	caaaagacac	52740
aataaatttg	tagagaaata	acaggaaaaa	gaaagtttta	ggcctccaaa	ggtgagaaac	52800
tgtgcatagg	taaatatctg	agagggaagcc	gatgcagcag	gatttctctg	cgggtgcctct	52860
ggtaccgcgc	ctggctgggc	aaagtttaagg	gttgtctcca	gtgaaggaga	gtttatatattg	52920
tgcttttagg	cagaaagggg	agggaaacct	gaacttttcc	tgtattttct	gcttcttaat	52980
tgctttaagc	tgaaaatcat	ttttatgtga	aagaggcata	atctgggatg	acgcctctgc	53040
tttctccac	ctgaagagaa	cctgtgtgct	gctcctttgc	tttggaacctc	tacctctgcc	53100
acggagaaa	cccaggccaa	cctgctggac	aagcagggac	cgtgagaagg	agagttcagg	53160
tgtcccaatc	caggccatcc	tagaccagcc	agccctcac	gagccccagc	tgatcagcac	53220
gcagccactt	ctgctatctt	ctactggcca	aagtgagtc	agggttcacc	cagattcaga	53280
ggtggggaaa	ctgagtcac	cacttgagag	gagtagctat	aaagacatac	gagcgagacc	53340
agctgagccc	agcactgctg	gccaaagtga	agactttagg	accagccaca	catgttccgt	53400
ggccacacgt	ggccagtggc	tccatattgg	acaatgccaa	tcagactcct	cattctcatt	53460
acatttgtat	acccttctgg	ccctgagatc	tttctatata	cgcactctgac	taagatgctc	53520
tactagagaa	cagcatctac	ttcataattc	catcctttgg	aaacccaaa	agccagcaga	53580
agttttgact	ttgcaattga	tcctacacgt	tcaaatttct	agcatctata	agaccgtgta	53640
agatggaaga	gagacttaca	agggtccca	ttacctagcc	cagggtatgt	gctcagggct	53700
cttggcactt	ctcctcttgg	ttacacatgg	ttcagataat	gttggecact	tcttaacatt	53760
agtttctcat	ggcttgatcc	ctaggaagca	ttattcctcc	cattttaaga	gggcagccag	53820
ttgagtgatt	caatgagtca	ggcccagtac	caggccccag	ggacacagta	agagacagag	53880
tacacatagc	ccttgctctt	gtctgggggtg	cagacactaa	acaaataatc	aaacagatta	53940
aacatgcaat	tataggtttt	aattatgccc	taagaaaaaa	caaagccggg	ggcagtgaca	54000
caactgtaat	cccagcactt	cgggaggctg	ggacaggagg	attgcttgag	gacatgagtt	54060
caagaccagc	caggcaaatg	aatcttgtgg	gatagcactg	tcaggctggg	ctctgagcct	54120
gcatcaaagc	agaccctgtg	tctacaaaac	atttttaaaa	gttgggtcaag	catgggtggt	54180
cacggctgta	gtcctagcta	cttgggaggc	tgaggcgggg	gtgttgcttg	agcctagaag	54240
ttcgaggctg	cagtgaagta	cagtgaagctg	tgattcatcc	cactacactc	caacctgtgc	54300
gacacagcaa	gacatcatct	ctaatttaaa	aaaaaaaaaa	aaaaaaaaaga	aggaaagaaa	54360
gaaaaaagga	tgatacaaaa	taagccgagc	gtggtggcac	atgcctgtaa	ttccagctac	54420
tcgggaggct	gaggcaggag	aatcgcttga	acctgggagg	cggagggttg	catgagctga	54480
gacgcgccca	ctgcactcta	gcctgggcaa	gaagagcgac	actccatctc	gaaaaaaaaa	54540
aaaaaaaaaa	gaggcagggtg	cagtggctca	ctcctgtaat	cccaggactt	tggtaggcca	54600
tggcagggtg	atcacttgag	gccaggagtt	tgaaccaaac	ctggctaaca	tggaacaaac	54660
tcagctctac	taaaaataaa	aaaaaattaa	ccaggcgtgg	tgggtgcgat	ctgtaatccc	54720
agctacttgg	gagactgagg	caggagaatc	acatgaacct	gggagggtgga	ggttgagctg	54780
agccgagatc	atgacattgc	actctagcat	gggtgacaga	gggagactgc	atctcaaaaa	54840
aaaaaaaaaa	aaaatgaaga	agcggctggg	cacggtggct	cacacctqta	atcccaqcac	54900

tgttgggaagc	caaggcgggt	ggatcacgag	gtcaggagtt	ccagcacgc	ctggccaaca	54960
tgggtgaaacc	cccactctcta	ctaaaaatac	aaaaattagc	tgggcgtggt	ggcagacgcc	55020
tgtaatccca	gctacttggg	aggctgaggc	aggagaatca	catgaacctg	ggaggcagag	55080
gttgacgtga	gtctagatgg	tgtcattgca	ctccagcctg	ggcaatagag	tgagactctg	55140
tctcaaaaaa	aaaaaagaag	caaatatgaa	gactatgtag	tcttgaagag	gacacaatct	55200
tttgaacaag	acacaaaatc	cacaaactgt	gaagaaagaa	ttcactttca	aaatataata	55260
aataggacaa	aacttttttg	aatttgcttg	tggtgacgtg	gtgatctgat	ctcacaggtc	55320
tatacatcta	atttttatacc	ttacatataa	atattttata	taaattatgt	ctcaatactt	55380
ttttttacag	aagcattggg	ggaaaatacc	ataaagtagg	ttaaaaaaca	gatgacaagc	55440
tagcagaaac	catttgccat	aaaaataaga	gcaaaaccaa	gaggaagcgg	aaagtcaaca	55500
gaaaaatgag	caaagccctt	taacaaagaa	aaaagaaggc	caggccgggc	gcagtggctc	55560
acgcctgtaa	tcccagcact	ttgggaggct	gaggtgggtg	gatcacctga	ggtcaggagt	55620
ttgagaccag	cctggccaac	atggcaaaaa	cccgtctcta	ctaaaaatac	aaaaattagc	55680
cgggtgtagt	ggcacacgcc	tgtagcccca	gctacttcag	aagctgaggc	aggagaattg	55740
cttgaaccgg	ggaggcagag	gttgcaatga	gccgatattg	ctccactgca	ctccagcctg	55800
ggtgatagag	caagactccg	tctcaaaaaa	taataataat	aataatgata	ataaaaagga	55860
gaaaaaggaa	ggctgttgat	taataagcat	gaaaagatgc	ttagctgccc	agggaattaa	55920
agaaacgtag	gttaaaacaa	catcaagtaa	cattttttaac	ccatcagcta	tgcaaaagtg	55980
aaaatgatag	atthagccat	gtatagggtg	tggtagcacc	caccaccacg	cctggctaata	56040
ttttatattt	ttagtagaga	cagggtttca	ccacgttggt	caggctgggt	tcaaaactcct	56100
aacctcaggt	gatccaccgg	ccttggcctc	ccaaagtgct	gggattacag	gcatgaagca	56160
ctgcgccgg	cctttttaat	tttttttggg	cagtcttgct	ctggtgccc	ggctggagt	56220
caacggcaca	atctcggtc	actgcaacct	ccacctccct	ggttcaaacg	attctcctga	56280
ctcagcctcc	caagcagctg	ggattacagg	caccaccac	catgtccagg	taatttttat	56340
gtttttattt	tattttattt	tttttaattt	tattttttga	gacagagttt	cgctcttggt	56400
gcctaggctg	gagtgcaatg	gtacgatctt	ggctcataca	acctctgcct	cccagggttca	56460
agcgatttta	ctgcctcagc	ctcttgagta	gctgggatta	cagacattcg	ccaccatgcc	56520
cagctaattt	tgtattttta	gtagagaagg	ggtttctcca	cgttgggttag	gttggtcctg	56580
aagtcccaac	ctcaggtgat	ccgcccgcct	cagcctccca	aagtgcggg	attacagggt	56640
tgagccactg	tgcccagctc	cagggtggt	tatctttgta	ttttcaggta	gccagttctc	56700
cccacgccct	ctactgaaag	atctcatgca	tcacattttc	tccctttggg	gtaagaccag	56760
agaacctggc	ctgtcctgca	agtcttgtgt	tattctgata	ccagtcttca	tgaactccac	56820
tcattcattc	aacacacatt	atgggttgag	caccaaccag	gcatcgggct	tttgaggag	56880
ctggagatag	agcaggacca	agatagacaa	aaagcaaaaa	cccctgccct	gtaggaaact	56940
gcattctgat	ggtgggacac	agccagtga	tgagaagtgt	gataaatggc	taaattattt	57000
agcatattag	aaagtgccaa	agattaaagt	ggagagggat	caggggatta	ggaatgtatg	57060
tgtgttttag	ggtgtgagtt	gttaattttt	ttttttaaga	cagagtttca	ctctgtcacc	57120
caggctggag	tgtagtggca	cgatctggc	tcactgcgat	gtctgcctcc	cgggttcaag	57180
ggatgctcct	gcctcagccc	cgctgagtag	ctggaaatac	aggcggttcg	caccatgtct	57240
ggctaatttt	tatatatttt	gtagagatgg	ggtttcacca	tgttggccag	ggtggtctcg	57300
aactcctgac	ttcaggcaat	ccgcctgcct	cagcctccca	gagttctggg	attacaggcg	57360
tgagccattg	tgcttggtt	tttttttttt	tttttttttt	tttgagactg	agtctggctc	57420
tattgcccag	actggaagtgc	agtggcgcg	tttcgggtga	ctgcaaaactc	tgctcccag	57480
gctcaagtga	ttctcctgcc	tcagcctcct	gagtggctgg	gattacaggt	gcctgccacc	57540
acctggctaa	tttttttgta	tttcaagacc	aggctggtct	caaactcccta	acctcaagt	57600
atccacctgc	cttggcctcc	caaagtactg	ggattacagg	agtgagccac	catgcctggc	57660
cttttttttg	ttttttgttt	ttttttgaga	cagtgtctca	ctttttccacc	caggctgaag	57720
tgacgtggag	tgcaatggca	cgatctcagg	tcactgcaac	ctccacctcc	cgggttcaag	57780
taattctcct	gcctcagtt	cccagtagc	tgggattaca	ggtgcatgcc	accaggctca	57840
gctaattttt	ttgtatat	agtagagaca	gggtttcacc	atgttgcca	tggctggtct	57900
cgaactcctg	acctcaaatg	atccacccgc	ctcagcctcc	caaagtgcgt	ggattacagg	57960
catgagccac	tacgccagc	agtttcttcc	acttctaata	gactctgcta	gtctaggaaa	58020
tgtacaaaaa	agacagcatg	gttaaaggct	agtatttcat	gacctttttt	atacttccta	58080
tttttatttt	atthaggttt	cttgggtgat	acaaaacgtc	aattgtagtg	gtaqqqaacc	58140

tgctaagga	agcttcctaa	acagaggett	caagagagaa	cactaatagg	ccggcgatgt	58200
tggtcatgc	ctgtaatccc	agcatttcgg	aagcccaagg	cgggtggatc	acctgaggcc	58260
aggagttcaa	agctggcctg	gccaacatgg	tgaaccccc	ctctactaaa	aatacaaaaa	58320
ttagctgggc	gtggtggcag	gtgcctgtag	tcctggctac	tcgggaggct	gaggcgggag	58380
aatcgcttga	acccgggagg	tagaggttgc	agtgagccga	gaacgtgcca	ctacactcta	58440
gcctgggcca	gagagtgaga	ctctgtctca	aagaaaaaaa	aaaggtcggg	ggaggcttga	58500
gagaatgggt	tcactttctt	cctccatgtg	aggaccata	ggtagtgcca	gcagtgaggc	58560
acaggccctt	tccagatacg	caacctacag	gcgcctatat	cgtggacctc	ccagcctcca	58620
gaaccatgag	aaagtaaatt	tctgttcttt	ataaattacc	cagtttactt	aaaaaaaaat	58680
tttttttgag	acagggtttc	cctctcttgc	ccaggctgga	gttaaggagc	accatctctg	58740
ctcactgcag	tctccgcctc	ccaggctcaa	gcaatcatcc	taccttagca	tctgagtaa	58800
ctgggattgc	aggcatatgc	caccacgtct	ggctaatttt	tctatttttt	gtagagatgg	58860
gatcttgcta	tattgcccag	gctagtctcg	aactcctggg	ctccagtgat	cctcctgccc	58920
tggcctccta	aagtgtgcg	attgcaggct	tgagccacca	cacctgacct	tgtttattcc	58980
ttttcacaat	ttctctgcct	acattttaac	gggatctctg	aaggagggtg	agtcaaaagt	59040
gtgatccagt	tttgttgtat	tgaatagaag	gtctttaaat	ttttattgta	tttaaaactc	59100
ggtagcagct	gggcaagggt	gctcatgctt	gtaatctcag	cactttgaga	agctcaggca	59160
gggaggattg	tttcaggcac	aagttcgaga	tcagcttggg	gtaacacagt	gagaccccat	59220
tcttttttta	atttcttttc	ttttcttttc	ttttatcaga	cagagttttg	ctctgttgcc	59280
caggctggag	tgcaatggtg	ccaacttggc	caactgcaac	ctccacctcc	cagggtcaag	59340
cgattctcct	gcctcagcct	cctgagtagc	tgggactaca	ggcgcgcacc	actacgcca	59400
gctaattttt	gtatttttag	tagagaggag	atttcaccac	gtaggccagg	ctagtctcga	59460
actcctgacc	tcaagtgata	caccagcttc	ggcctcccaa	agtgtcggga	ttacaggtat	59520
gagccactgc	gcccagccga	gaccccatte	ttagacacac	acacacacac	acacacacac	59580
acacatgaga	gagagagaca	gtgagagaga	gaattagaga	attagctggg	catggtggtg	59640
catgcctgta	atcccagcta	ctcaggacgc	tgaggaatga	gaattgcttg	aggcagaggc	59700
tgcaagtgcg	caagatcggt	ccactgcact	ccagcctggg	cgacagagct	agaccctgtc	59760
tcaaaacaac	aacaaaaaac	aactactttg	cactgtacag	agactatata	tccacaggcc	59820
aacctcctct	cccattccgg	tcccacacca	gccttttaat	aggtttttta	caaggccggg	59880
cgcggtggct	cacgcctgta	atcccagcac	tttgggaggc	cgaggcgggc	ggatcacaa	59940
gtcaggagat	cgagaccatc	ctggctaaca	tgggtgaaagc	ccgtctctac	taaaaaaaaa	60000
aaaaaaaaaa	aaaatacaaa	aaattaaccg	ggcctggtgg	caggcgccag	tagtcccagc	60060
tacttgggag	gctgaggcag	gagaacggcg	tgaaccggg	aggcgagct	tacagtgagc	60120
cgagatcgca	ccactgcact	ccagcctggg	cgacagagca	agactccgtc	tcaaaaaaaa	60180
aaataggctt	tttactatcc	ggtttaaaata	gagaattttt	ttttgcttgt	tttttgtttt	60240
ctctcttttt	tttttttttt	ttttgttttt	tgagacagag	tctcactctg	tcgcccaggc	60300
tggagtgcag	gggcccgatc	tcggctcact	gcaacctcct	cctcccggat	tcaagcgatt	60360
ctcctgcctc	agcctcccga	ctagctagga	tacaggcgcg	caccaccacg	cccggtaat	60420
ttttgtattt	ttggaagaga	cggggtgtca	ccatgttggc	caggatggtc	tcaaaactct	60480
gacctcaagt	gatcgcccg	cctcggcctc	ccccagagt	gctgggagta	caggcgtgag	60540
ccaccgcacc	cggcctgaga	atgttcgtat	tctactcatg	aagacttcgt	aaatattggg	60600
gtccagacct	agatactaca	acgttacaaa	tctgttctga	tcactgcttt	gccagatccc	60660
tggtaaatc	acagctctgg	ccggggcg	gggggcccga	tgcatttccc	ttctttccta	60720
cagggggcgc	tgcagagaag	ggcagagcag	agcgcgcagt	tcggggcag	gggcgcgttc	60780
tccaggatag	cgcgcgtccg	aggggggtgg	tctgtgctag	ccctgcgcaa	cctcaggggc	60840
gggaacaact	ctggctctgc	ccccgcggc	tggagcgct	tctcattgga	ggagggaacg	60900
gtcacttggc	agcgccttg	ggattggagg	aagagggtct	cgggtggagt	gacgtgagg	60960
cggcgagggg	gctggtggct	ggcgcgtgct	gcccttcggg	agctggtccc	ttaactcagt	61020
ggtgaatggc	gaccgatgg	agctctaggg	aagcgacagc	agcggcgggt	gggcggggtt	61080
atgggcgcc	cgagtccggg	cggcgtcccc	ggtgtgccgc	tgacctgctg	ggtgggcgct	61140
gtcctcccg	aggggggtcc	ctttgctctc	ccggaccctt	ttaccgctca	cttcctcgcc	61200
ggtccctgag	gcagggtccc	ggagccccgc	tgggcgtgag	gtgcaggag	cggccgcagg	61260
tggaccggg	gctggagggc	gctcgccac	cacccgagcg	ggtcttggcc	ttgagcttcc	61320
gagcgctca	ggttcagagc	tgcacccac	gagcccgga	ggcggtggtc	cgcgcctgc	61380

ctggggttgc	ccacggcgcc	cggcctcctt	cgaaggggct	cggagcgggc	cggcccgcc	61440
cggctgagga	gtcagagctc	gcgctccctt	tgcccgggag	ctgcagcccg	gtcctcctgt	61500
gcgggcgctc	gttcgctgat	cgcgggcacc	tcggggccaaa	tccacccccct	ccgagacccg	61560
ctccgctttc	taggagtctc	tttcccagac	ctggtgccac	ctggttgctgg	gtctcccact	61620
aagccttcga	gatctttggc	atagcttcct	ttgaactctt	cctccccgct	gcggcttgag	61680
ctgggcctgc	taggaggggt	gctcagaatt	ccaatgccag	aaagaacgct	ccgtgccttg	61740
aaagctggag	ggaggagaga	ggacttcacc	tgggaaggag	gagaaaagct	ttgaggggag	61800
gcacagttat	ttgtgtggtc	cttgaaaaggc	aagaagactg	gggcccgtgg	ccctgaaagg	61860
ggaggtgggg	ctcccagcag	aggggactga	ggtcttcata	aacaatgagg	gaccagagca	61920
gagggaaagga	ggacgagatt	ccagactcta	gttccaaaca	aggcacctgt	gattttctcat	61980
cccctgggca	gtgactgcca	ggcgcccttc	agcggacacc	tgggacttgc	agtgttatgt	62040
gcccagggat	tttcctggac	gggatttgtga	agtagcgggt	aaggtcatca	ggcaggttgg	62100
ggtcagatgc	agatgttcgc	ttgtgggtcat	tcctgaaatg	agaatctggc	agctcacgtt	62160
atttcagaag	gtgctaggat	cacttttgac	agtatacca	aaaaattgat	ggtattctgg	62220
tgaccctgtg	tgaaaaatga	aatgttcgtg	caatctggag	acactactgg	gaccagatta	62280
atctgttttt	gtttccttat	ttatttattt	ttgagacgga	gtttagctct	tggtgccag	62340
gctggagtac	aatggcgcg	tctcggtc	ctgcaacctc	cccctcctag	attcaagcga	62400
ttctcctgtc	acaggtccc	gagtacctgg	gattacaggc	atgcaccacc	acgctgggt	62460
aattttgtat	ttttagtaga	gacgggggtt	ctccatgttg	gtcacgttgg	tcgtcaactc	62520
ccaacctcag	gtgatctgcc	tgccctgggt	tcccaaagtg	ttgggattac	aggtgtgagc	62580
ctgcccgc	agcctttttt	ttttgaggcg	gagtctcgct	ctgtctccca	ggctgcagtg	62640
cagtagctcg	atctcggtc	actgcaagct	ccacctcctg	ggttcacacc	attctcctgc	62700
ctcagcctcc	cgagtagctg	ggattacagg	catgcacacc	atgccagct	attttttttt	62760
ttttttttta	gtagagacag	ggtttcacca	tggtggctag	gctgggtctgg	aactcctgat	62820
ctcaagtga	ccagccacct	cggcctttca	aagtgttggg	attacaggct	tgagccacca	62880
tgccctggct	atgccaatg	tttcatagaa	tgtttacaat	ctagcttcct	ctgattttct	62940
tcattattag	attcagattt	tttgttcaga	atgccacctt	catagggtgat	gtacacttgt	63000
cagtggatca	ccttaagaga	tgtcagttta	tacctttgtt	gacaagtttg	atcctttcgt	63060
gaagatgtgt	ctgtcagctc	tctccattgt	aagggtacct	gaacctctc	ttaattaaca	63120
gtcctatatg	gggtgatact	ttggaaactga	atattctgtt	gactcttctg	gcttttagtt	63180
cactttttatt	tcattaagaa	aagat tgaga	taagtggatt	taggatgata	gttttaaatgt	63240
accaaagtag	aggatctgta	tgcatgagaa	ttgttttgat	ctcagaaatt	gttctgaaaa	63300
ttttaaactg	cattgtgtac	ttaagtttaa	gattattttt	atggatatat	aacttcaagg	63360
tggtggatac	cacggatcat	tcattcaatg	tgtatacatt	tggccaagtg	caggctctga	63420
cctggaggta	taagcagata	ggaggcgtgg	cccttgacc	caaatagatg	agaatttggt	63480
ggtaaataca	taacctgtgt	attagtccat	tttcatgctg	ctggtaaaga	catccctaag	63540
actgggcaac	ttacaaaaga	aagaggttta	attggactta	cagttccatg	cggctgggga	63600
agcctcacaa	tcttcacgc	ggaaggcaag	gaggagcaag	tcctgtcttc	cgtggatggc	63660
agcaggcgaa	gagagaatga	ggaaaatgca	aaatcagaaa	cccctgataa	aaccatcaga	63720
cctcttgaga	tgtactacca	cgagagcagt	atgggggagg	aaccgccgcc	atgattcaat	63780
tatctccac	caggctccct	gcacaacaca	tgggaattat	ggragmtaga	attcaatatg	63840
agatttggtg	gcggacacag	agccagacca	tatcaaccgc	catcccgctc	ttagctggaa	63900
tgatggctgt	attaggtaca	tgagggtctga	tcttgtttga	ggcaccaaag	cctgctttcc	63960
tgaagcatag	ttaatatattt	ggccccacag	aaaaggttat	ttgcagttta	tgccaacttg	64020
ttattgcaaa	atcattgctc	tgaaatatct	atctctacca	ggaagctttg	gattgatttt	64080
ttttaccgc	aatatctgcc	caaccctcct	tattccagtt	gttttagattt	cttttgtcat	64140
ttttaatgaa	tctgaatgtc	aaggaaggca	gatctttttc	tggtatcagg	attgatttta	64200
ttgtgtgata	atacagattt	cactaaacta	aagtcctaga	gggtcttggt	ataattaaag	64260
tacaacccaa	taatattttt	cttgtgtcat	tgctggaatc	aagactgggt	cagatttgga	64320
ccactcattt	attcactcaa	caaacattta	ctgagtgtca	attgtgtgcc	cccctttttt	64380
ttctctaggt	accagggtcaa	gatgccatgg	tgaacaaaac	aaagcccttt	cccacatgga	64440
gctttaattc	caatggaggg	agggagaaaa	caaccaacct	gtgggctgga	acagctgggtc	64500
gtgagtgtca	gggtgagggc	agaaagtggg	agggcctgtg	tagctggggg	ggagtgccat	64560
ttgtcggttg	gtgatgggga	gaccctcgat	qgtgatgata	ttggaagtcaa	aatccgaagg	64620

aagtgaggaa	tgagccaaca	gctcttgggg	taagagcaag	tgttcagtc	cagggagcag	64680
ccgattcaga	ggccctgaaa	caggagctta	cagaagaaac	attgagggg	ccaggggtgcc	64740
tggagggact	atgtgggcaa	gggggagagg	aggaggggag	ggcaggtcct	ggaggggtct	64800
actggggggt	tttgagcaga	gatgagatga	ttctgacttt	tattttttatt	tattttattta	64860
tttttttgag	atggagtctt	actctgtcgc	ccaggctaga	gtgcagtggc	gcatctcgg	64920
ctcactgcaa	gttctgcctc	ccgggttcac	accattctcc	tgctcagcc	tcctgagtag	64980
ctgggactac	aggcgccac	caccacgccc	gcctaatttt	ttgtattttt	akyagagatg	65040
gggtttcacg	gtgttagcca	ggatgggtctc	aatctcctga	cctcatgatc	cgccagtctc	65100
ggcctcccaa	agtcctggga	ttacagggtgt	gagccactgc	gcctggcctt	tttttttttt	65160
ttttttgaga	tggagtctca	ctctgtcacc	caggccggag	tgagtggca	ggatctcagc	65220
tcactgcagc	ctccgcctcc	tgggttcag	caattctctg	cctcagcctc	ccgagtagct	65280
gggattatag	gcacccacca	ccacaccg	gtaatttttg	tattattagt	agagacaggg	65340
tttcaccatc	ttggccaggc	tgggtctgaa	ctcctgacct	catgatccac	ccacctggc	65400
ctcccaaagt	gctgggatta	cagatgtggg	ccaccatgcc	cggccaatcc	tgactttttt	65460
taaagtacac	agtccagtgg	tttttagtgt	gttcagagag	ttgtataact	gttgccacaa	65520
tcaatttgag	aatatttgca	tcaccccgag	aagaaatccc	ttaccagtg	gcattgactt	65580
actggccttg	cgtggagaat	agatggaaa	cctgatcagg	acaaagtctg	ctcaggctag	65640
gatccagaga	ccactgaggt	aaggcaggcc	aggggcacac	ccacgaacca	gggaggagca	65700
ggcaggcagt	atccgagaga	ggtggttgac	tacagtgtgt	agttcagtgg	gcatgtcctc	65760
ttgttagaga	ggagtggagg	ggacagtgg	acctccaggc	agggaggtgg	ggtttggcaa	65820
gagaggagtc	tcccattgga	caatgggtag	agttgcaggc	tgatgggcaa	tgattagtat	65880
caaggcagct	cagcacggag	ttgaaggacc	acataagact	cttaatcccc	aggaggaccc	65940
atgtggtctg	cctagaaccc	cagcttcaga	ggaactggct	gtgttgaccc	agtcattcac	66000
tggaaacaaa	gatgaaagt	gggccagctg	gaaggagggc	tgagtgtga	gcctcatgct	66060
gccactttg	ctcagtttct	ttgcattgct	gccatttggg	gccagggtgg	tcttgaggcc	66120
ttggttggga	gttaggtgac	tctgctgtgg	aggttagagg	ctaggagacc	agccattaca	66180
gaccgcttgt	gtttatgttc	tctatatctg	ttctctttca	ctgcaatate	tctctgaaaa	66240
tacatcctta	aagaaataag	ctctttgaga	gcaggcatct	tagacttttt	tcaccaatgt	66300
tgccagcata	tagaacgaac	tctgtaaata	ttcacagatg	gactgggcac	agtggctcac	66360
gcctgtaatg	ccagcacttt	gggaggggta	ggtgggcaga	tcacctgagg	tcaggagttc	66420
gagaccagcc	tggccaacat	ggcaaaaacc	catttgctact	aaaaatgcaa	aaaaaattag	66480
cttggcgtag	tggcttgtgc	ctgtaatccc	agctactcag	gaggctgaga	cacgagaatc	66540
tcttgacccc	aggaggcgga	ggttgacagt	agctgagatc	gtgccactgc	actccagcct	66600
gggtgacaga	gtgagactca	taaataaata	aataaatatt	catggatgaa	tgaataaatt	66660
cttaatgttt	gtataagt	gctattgtta	ctgtaatcaa	ttccccaat	tgagctactt	66720
aaaactatat	tgattttatc	atcttatagt	tcttacttct	ggtgggtcaa	agtccaaatt	66780
ggatgtctct	gggctaaaac	caagggtcaa	cgggactatg	ttccttctag	aggctctagg	66840
aagaatttgc	ttccttgact	ttaccagctt	ctagaggcca	cttgcatctc	taggcccattg	66900
gtccctctct	cttctccaaa	tccagcagt	taacatcttc	aaatctttct	gactcaacct	66960
cctgtctcct	cacaaagaaa	cttgtgatta	cttttagacc	atcttgaaaa	tttgagtaa	67020
ccccctactg	caagatcttt	aatcacagct	gattaaatat	ccttaattta	atcacagggt	67080
ttttaaaatt	attttcttca	ttttgttaa	tagtctagca	aaccatttct	tcagcacctt	67140
ttgccttgta	acctattcac	aggttttggg	gatgagaatt	ttaacacctt	ttggggccca	67200
ttctaccaca	gtgcttagtc	tcatttcccc	ttatattctt	ttattttttt	attaatttga	67260
gacaaggctct	tactctgttg	cccagcctgg	agtacagtgg	tgctatcatg	gctcactgta	67320
gcctccccct	cctgggcgca	agtgattctc	acacctcagc	ctcctgagta	tctgggacca	67380
cagggtgtgag	ccaccgtgcc	cagctagttt	tttatttttt	attttttgta	gagacagggt	67440
ctccctatgt	ggcccagtct	ggtcttgaac	tcctgagctc	acatgatcct	cccacctcgg	67500
cctcccaaag	tgctaggatt	ataggcatga	gccaccactc	ccagccgctt	tttgtttttg	67560
ttttcgtttt	ttatttttta	aagacatggg	gtcttgctct	gttgatatagt	gatttcgtgt	67620
cgtgtcatgc	aatgatgtga	tcatagctca	ctgtaacctt	gagcttctgg	gctcacacaa	67680
tcctcctgcc	tcagcctccc	cagtagctag	gactacagag	aagccaagac	ctcagggtaca	67740
tgttcccaca	catggccagt	agctggagac	cagccatgga	ctgggcacag	tggctcacgc	67800
ctgtaatccc	agcactttag	gaggctgagg	cgggcagatc	acctgaggtc	aggagtttga	67860

gaccagcctg	gccaacatgg	tgaactccg	tctctactaa	aaatacaaaa	aattagccgg	67920
ccgtgggtggc	acatgcctgt	aatcccagct	actcaggagg	ctgagacagg	agaatcgctt	67980
gaacccggga	ggcggaggtt	gcagtgaacc	gagatggcgc	cactgcacta	cagcgtgggc	68040
aacaagagcg	aaactctgtc	tcaaaaaaaa	agaaaaaaa	aacagacatt	ggctggcctt	68100
gtggctcaca	cctgtaatgc	cagcactttg	ggaggccaag	gtgggaggat	tgcttgaggc	68160
caggagttca	agggtgcagt	gagctatgat	tgaacactgc	attccagcct	gggcaacgga	68220
gagggaccat	gtctctaaaa	cacacacaca	cacacacaca	cacacacaca	cacacacaca	68280
cacaattgtt	tcctcagttc	tggaggctgg	aagtctgaga	taagggtgcc	agcatggttg	68340
ggttctgact	gggagttggg	tgtcttctgt	gtcctcacat	agcagagaga	gagagatcag	68400
gagattgaaa	tctcttcctc	ttgtaaggcc	acagtcctat	catatttaac	ttgggaatct	68460
gtgggtgcaca	cagttcagcc	cttagtagtt	ggttggcaca	cctgtgtcca	gacccatttt	68520
tctggaagtt	tccagcttca	tgtgttctg	gcagatcagg	gcgctgcctc	ctaggtcact	68580
gccctgatgg	ttatgggaca	gtcagtaaga	agctaggctc	cggcagtgcc	ttgaattact	68640
gcaaaaagca	gtgcttatca	cagcttcagc	agaagccttc	cacagcagga	gtccgggggtg	68700
tgggtctcaca	tcgggtggggg	cagacagcag	ccagtgggtga	ctaactctgag	ttctttgttt	68760
tctgagacgg	agtctggctc	tgttgccag	gctggagggc	agtgggtggtg	tgatcttggc	68820
ttactgcaac	ctccgcctcc	cggattcaac	caattctcct	tcctcagcct	cccaagtggc	68880
tgggattaca	ggagtgtgcc	actgtgccca	gataattttt	gttgttggtc	tttttttggg	68940
ggggaacaga	gtctcagttc	gtcaccacag	ttccagtgc	gtggcacaat	ctcagctcac	69000
tgcaacctct	gcctcccagg	ttccagtaat	tctcctgcct	cagcctcccg	agtaactggg	69060
attacagcca	tgcaccacca	cacctagcta	atttttatta	ttattattaa	tagtagagat	69120
ggggcttcac	catattggcc	aggctgggtc	caaactcctg	acctgagggtg	atccacctgc	69180
ctcagcctcc	caaagtgtctg	ggattacagg	tgtgagccac	catactggtc	ttaatctgag	69240
ttcttgaggg	caggtttgca	tctcatttgt	tcacttggac	cagtgaattc	ctgatgccat	69300
catggaactt	tgtgcagact	agatgttcgg	gtggtcagag	ggtcagattg	atttgggagt	69360
ggcaggtgag	gacctgggat	agaagatggt	ctttctgctt	tgggaagagaa	gcatggtgct	69420
gtgtggggggc	ttggggatga	gctggcggtg	gggtgggtggac	agggggcctc	agctcggagg	69480
ccaggtctgt	cttgactgag	ccagggggcca	cagtagctgc	ccaggcagga	gggattttgtg	69540
tgggcaccag	agctctggca	ggtgcacatt	tgttagggag	gagcagtatc	cagatacagg	69600
cactgctccc	tctggagttg	ctgccagcca	gggaggggtgc	gtctctgggc	agcgaaaggc	69660
aggaatagct	cctggcctaa	tggcagctgg	aaaagaagct	gcaagaggat	atgggtttgt	69720
tgtggaagag	gtgggggctg	aaaccctgag	gaccaagaat	cctgcccttc	aattttctgat	69780
tgacactatt	gactaaaggt	agcttttttc	attggtggag	gaagggcagt	agttcatattg	69840
ttcagcctca	atttatctat	ccatatcctg	ggcatgagag	tagccaactc	tctcctggga	69900
tatatggagg	gatcacatgg	gacaatcaat	agatataata	attgtttcga	atcctgcata	69960
taccttatag	gtgtgaagtg	gttgtgtcct	ttgtgaattc	tcttgccag	gcaccagtgg	70020
gaggttagat	agtgacctgg	agttttgtgt	gaggaattag	tagcctttga	atgcctgcct	70080
ttgtagctgt	tgcacatacg	ttaggcttac	tttcaactaa	atggaatwag	ctaattgatt	70140
tcttcagagg	tccaagtgat	aacagagcca	aaccttgcta	gcccataagg	gtgagagtct	70200
agcttagtga	caggttgttt	ttgggagaca	cacctttgt	gtcttcactt	ctctgtcccc	70260
tgtctccgtc	ctgctctccc	tctcacccat	tctgccagct	ctgctggccc	catgggcacc	70320
tagagcacat	gcacttgggtg	aatctagatc	tttcttccct	gagacattgc	tgcaccacat	70380
cacctcatca	cctcgcttcc	ttcagggtctc	caacaagtca	ggtcattcctg	aatattttct	70440
gtaaaacttt	ctgttaaatt	ctaccttcat	tattctttca	ttttagcctg	ccttgttttt	70500
ctctgtggca	ctcatcacta	tttgatattg	ttgcataatt	atgaatctat	tttctgtctt	70560
cttggtcggg	aacataagct	ccattaggat	ggagactttg	tctgttttgt	ttagattata	70620
ttctcatcat	ctgaaatagt	gcctgtaggg	cctcaaaaag	ttcatagcag	attaatgagt	70680
gaatttaaca	agtagacact	attgatgggtg	ctgagccaca	tctgggccc	ctctcagcgt	70740
ggagcggaat	tatgcacaca	ggcgagtata	cagactttga	tgccctgggtg	tgccggtttg	70800
caaaaagact	tctccaaccc	actgtcttct	ttttgaattt	ttaaataaat	ctggccgggt	70860
gtcgtggctc	acacctgtaa	tcccagcact	ttgagaggcc	aaggcggggc	gatcacgagg	70920
tcaggagttc	gagaccagcc	tggccaacat	ggtgaaaccc	catctctact	aatatataca	70980
aaaaattagc	tgggccaagt	ggcagggtgcc	tgtaatccca	gctactcagg	agactgaggc	71040
aggagaattg	cttgaaccca	ggaggcgagg	gttgagtgga	gctgagaccg	tgccaccgca	71100

ctccagcctg	ggcaacagag	tgagactccg	gctcaaaaat	aaataaataa	gtaagtaagt	71160
ctggatattt	tagtctcgga	aaggatacca	catttgaagt	caaagacctg	atctgaaatt	71220
ctgtcttcac	cattacttgc	tgtacctctg	ataaatgccc	taacctccct	cacccatgat	71280
tttctcatct	atgtaatggg	aaaatacttg	ttctgcctac	ctggggctta	acattttattg	71340
taaagatcaa	atgaaatgag	tttctcccca	cgccccacag	tgtattggag	tctggcagtt	71400
gtctcctggc	cactgtctct	tgttgcaagt	tgagaaatgt	gatctttact	tctgtccaa	71460
ccctaaagat	cgggaaggcg	tggatccgtc	acagagagtt	acacaacatt	gtctaccag	71520
atcccaattg	aagaaaatcc	acaggaagac	aaggcaggct	cttttcatcc	tacccataat	71580
gactaatcca	tcattgcctc	agtaacttga	tcgtcagccc	gggtagcaga	tatccctccc	71640
cgaagctgat	gaaacagggc	agagaggaag	tatccaagag	aaaagggagg	gaggtttctc	71700
taaaacaaga	cctacaataa	ggacattatt	gtctaaagga	aataaataat	tgaaaagttt	71760
tgaaaactga	gattttcttca	tctcaaatga	ctttattagc	ccaaaaaagt	acaaaaatta	71820
ttttcctcac	ataatatata	tggtggaat	caaatgaat	cagtagatgg	gggatccaga	71880
ttggaatgct	gctacaccat	agtagaatcc	ttctgggaac	ctacggtggg	aaaggatcac	71940
ttgtagcaaa	aagatccaga	gttgtgcaga	gggaccacgt	cagcagtgat	cacttttcag	72000
taaccgtctt	tttctgctga	tcatttttagg	gtcactatga	ggtcagactg	gatggtggga	72060
gtggatacca	atTTTTTTTT	tactgcctac	atatgcttca	tgagctataa	tttgtctttt	72120
tttccaccac	agatctctgt	ttcttttctc	tactttcatg	cccataattt	atcttacaga	72180
tgtggtttaa	tgctttgctg	at ttgacata	gctttctttt	ccatttctatt	gattgctact	72240
taaagatgca	caaggctttc	agggcctcac	atgaatgatg	agatgagatc	caacgtcaag	72300
aatctgaagc	aaagacactt	gtggtttcag	aacgtgtaaa	tagagcttgg	tgattttctg	72360
ttgagtttgt	tgggggaatg	cataatgatt	aggattaggt	gtttttctat	tttaaaaagt	72420
tgcttctaga	ggcatagaag	acaattctga	tacactattt	aaattttcca	tacaaatcca	72480
ggcatgttta	tgcaaaaagaa	aaaaaaacac	cagtacaaaa	caaacaagat	atgatctgac	72540
tgggcatggt	ggctcacccc	tgtaatctta	gcactttggg	aggccaaggc	aggaggatcc	72600
cttaaccaca	ggagttcaag	accagcctag	gcaacatagg	gagaacctct	ttaaaaaaaa	72660
aatttttttt	taatttaaaa	aaaaaaagat	caaatgagac	aaatgctatt	cacatgtttc	72720
ttgtcttggt	atcgccactt	caagtcccc	tttattttgt	ccagtgaaca	tttgaaagac	72780
tcagatatga	agttcagggg	ccatgcactt	tgtgcctctt	tccccagtat	taatgcactt	72840
acacctgtct	atTTTTctct	ttcttttagt	gggggagata	atgcctcttt	cttttgtgta	72900
cagcaggaca	gtgggtcatt	gtgtatgtac	agaagtgatg	tggattcctc	ccagactcat	72960
tagtgaccag	ggctgctggg	cctgtttggg	tttcttagac	tagagaagaa	gacaggaacc	73020
aggatgggaa	gacggacatg	ttacatttta	agctggagct	tccctgcag	tccacggagc	73080
acgttctcgg	tgtgcagctc	atcctgactt	tctcctatcg	attacacgtg	agtcagtcg	73140
ctgggaggct	gtcctctccc	ttgtgtcttt	ttagtagacc	agagtccttc	ttctgatttc	73200
tagaagacct	gcactctagc	gggccctctt	ccccatgtag	tttgggattt	aacttaggcc	73260
aatggaatgg	ttttcactag	tcatatatac	tgacatgggc	tattaatagc	tcagaaggtt	73320
ctaggcagtg	tttctgcat	ggctacgcta	ggtatgtgag	ggcctcttag	gtttcagcca	73380
agacaggtga	ctcttagcac	ccagagccct	tcagatctga	tggcggttgg	tattgttggt	73440
ccttctaatt	at ttcagagg	atggcgaccc	tcgtgatgca	gagcatggcg	tttctccagt	73500
cctcctttcc	tgtcccggga	tcccagttat	acgtgaacgg	agacctgagg	ctgcagcaga	73560
agcagccgct	gagctgtggg	ggcctagatg	cccgatacaa	tgtaagggcg	cttctcattg	73620
tccagctcct	ttgtttctgt	gtgttactgt	tcgtcgagtt	ctttgaagag	ggggataaaa	73680
agtagaaata	tttctctgtg	gggtggtttc	aaggggacctt	ctgaggaatt	cttgccatga	73740
agtcttttca	gactatgaag	atacacctgt	at ttacacct	agagggagag	agagaaaaaa	73800
tctgtgtttg	ttgaataact	aaattgttta	ttgcttttag	gtacacatgt	gcacgtgcac	73860
acacacgcac	atacattctc	tcttcataac	acatacttgg	agtatgtgtt	tccaagagat	73920
catgtaaaat	gttcatgtaa	agtatttcag	aaatactact	agacagttta	ctgaacccat	73980
aacatatgcc	agccttgagt	gcaggggttt	atacgtatca	tctcctttta	tcatcacagc	74040
aacctctgag	ctgcctgcac	tgtcctttcc	cagcactcca	gccagtggtc	ccattgctgt	74100
cccccttgct	actttgcagc	ccccctggcc	tttttgctgt	tccttgaacc	caagaagcag	74160
ctgccacctg	agggcttttg	ctcttgccat	ttcctctgcc	aggcatccat	gtggcttatc	74220
taacctatgcc	attcaggtec	ctgttcagat	atcgccaagc	accatccttc	cctgacctgc	74280
ttctagagta	gcagccctc	cctccaccat	ctctcagcca	gactctccct	cctgccccct	74340

ggcctactca	ggatatgtgt	ttgtgtgttt	atttgttgtc	tccctcagcc	ttgacagcag	74400
tggcatctca	tacactatga	tgtcctatgcc	tagcacactg	cctatcactt	ggtaagctca	74460
cagagaagct	tgtttgaaga	atgaactcat	tttggagaag	acaaaactgg	ggcttacagt	74520
gattaatfff	cccaaaggct	caaatcttga	aagtataaca	gagccaggaa	ctttctgtgt	74580
ccagaactca	tgcattat	cactcattcc	tcacctttat	tttatcacag	tggggaccat	74640
agaagatgag	ctgctgtact	ttggaaaatg	aaaaagggaa	attatcagtt	ataaggcatc	74700
ctcccacctc	agcctccaag	ggtagctggg	atacagacat	gagccactgc	acctaacctt	74760
ttttaaaaca	atttcatffa	ttattttatt	tattttttgt	gacagagttt	cacttttgtca	74820
cccaggctgc	agtgcagtgg	cgcaatcatg	gctcactgca	gccttgacct	ccccaggctc	74880
agatgatcct	cctacctcag	ccttctgagt	agctagctgg	gactacaggt	gcatgctacc	74940
acgcctggct	aatfffftaca	ttttttgtag	agacgggggt	tgccatgttt	ctcagggtgg	75000
tgtcaaaactc	ctggacccaa	gtgatccact	caccttggcc	tcccaacatg	ctgggattac	75060
aggtgtgagc	cactgtgcct	gccccgcac	ccccffffta	ataaaaaaac	tagactctca	75120
ctctggccca	ggctggagtg	cagtggccta	cctatgactc	atttgtgcctc	atactcctgg	75180
gtacaagcag	ttcacccacc	tcacctccc	tggaaactag	gactggaggc	accacaatgc	75240
ctagttttatt	gggattfffft	ttttttfffft	ttttttggta	gagatgggat	ctttatgttg	75300
cccaggctgg	tcttgaactt	gtgtcctctc	aagcagtcct	cctgcctcag	cctcccagat	75360
tgtctgggatt	acaggcatga	gccatgacat	ccagctgaga	gagatfffft	aaatagcttt	75420
aaaatctatg	aaacatggac	actgaccact	tattttcatc	cccacagaag	gaaggacaga	75480
gtaaatgaac	ttaaattgtt	gcaagagagt	ttattcatct	ttgaagaaaa	gattattgat	75540
actgcagttag	gccaccaaga	acaagagggt	gctctgtggg	accagcctgg	gtgggcagaa	75600
gggtagaagg	aaaagaggag	gagtctccca	ggtgtccaca	ccacatcctc	ctcccgctgc	75660
ccaagtatct	gtgaccaacg	ggaccagccc	ctttgcctat	gactacgacc	tcacccatat	75720
tgttgctgcc	taccaggaga	ggaacgggtg	gtcacaggta	gagcccattc	agccgctgct	75780
caggactttc	aaggtttagtg	ggggcaacag	agacaagcag	aactggaacc	cttgtgatga	75840
aaatgtcaaa	accggtgaat	gctcaacgat	gggagcaaat	gtgtgcceca	ggatttgtct	75900
ttttcgtcct	gatcttcaga	cccgggacca	ccgcacccc	tccagcatcc	cgtggtccag	75960
caggctagtg	atggttaa	gccatcatta	tcaccact	ggcttgggtg	gtttctcttt	76020
taaaaaatat	aagcctaatt	gagttgttcc	ccatagcaca	cctataacag	atgccaaaga	76080
caaattgctg	ttcatgcttt	tcagagaaaa	acagagaacg	tgggtgactc	tccccacatt	76140
agcagtccag	caggagaaca	ggagtgcce	gtttcctgc	cagaaggcac	agtgtgctca	76200
ttccttacag	agctctaggc	catggcatgt	gttcactcgg	catgtttggc	tggtcctgg	76260
ctgaggatgt	ctgtgaaggc	atctagagtg	ttacttggca	accagacatc	atggagacta	76320
tacacaaaca	tttcacaagg	gggaacgact	gcaaatccag	tattgctttc	tgattttatg	76380
tcatacatta	gcagcatttt	tataatagta	aagggaattc	taaaaacaaa	ctaaaaagca	76440
cggcccaaga	aatcgatgtt	ttttctttac	ttttttcact	ctttattctt	atgtggattt	76500
taaaaatata	cctattatga	tagtgttgaa	acactttggc	atccaaatta	tttgtatttc	76560
catgtaataa	aagtatttcc	ccacactgct	acaaagttct	aatttttttt	tttcttgaag	76620
agacacaggg	tcttgctctg	atgatcaggc	tggagtgcag	tgtgtgaatc	atagctgatt	76680
gtaaccttga	actcctgtgg	gctccgtgat	cctctcacct	cagcctcctg	ggccgctagg	76740
actacaggca	cgtgccacca	tgccagcta	atfttttttt	atftttttagt	agagagaggg	76800
tctcaatatg	ttagccaagc	tgtctcaaa	ctcctggcct	caagtgaccc	tcccaccttg	76860
gcctcccaga	tccttgggat	tacaagaatg	cgcgacttgg	tccagacaaa	catattattt	76920
agagtggcaa	catgttattc	tttcagttag	ccattcagca	attgtagatg	atcacatgac	76980
catttccaag	tttttgacgt	attttaatat	aaatatcgta	ttagtccctt	ctcacacagc	77040
tgtaaagaca	tacctgagac	tgggtaattt	ataaagaaaa	gagggtttaac	tgacttagag	77100
ttctgcatgg	ctgggtaggc	ctcacaatca	tggcagaagg	cacctcttca	cagggcggca	77160
gaagagagaa	tgagagcaga	gctaagtaag	cagatctgat	aaaaccatca	gatctggtga	77220
gaactcacta	tcatgagaat	ggcatgggga	aactgcccc	atgattcaat	tatctccacc	77280
tggctcctgcc	cttgatccgt	ggggatttgt	acaattcaag	gtgagatttg	ggtcatagag	77340
caaaccata	tcaaatgctt	ttttgacaag	tatcttaaca	aattatttgt	taatctactt	77400
tgtacatgca	atfttttaatg	ctttcgaaatg	atftctfttta	gttctgaagt	acagaatatc	77460
ccacaggaat	aaaataatac	ttttatagcc	gagcgtgggtg	gctcatgcct	ataatcccag	77520
cactttggga	ggctgaggca	agcagatcac	ctgaggtcgg	gaqttcaaga	ccagcctgac	77580

caacatggag	aaaccccatc	tctactaaaa	atacaaat	agctggcat	ggtggcacct	77640
gcctgtaac	ccagctactt	aggaagctga	ggcaggacaa	ttgcttgaac	ccggagggca	77700
gaggttcag	tgagccaaga	tcactccatt	gcactccagc	ctgggcaaca	agagcgaaac	77760
tccatcccaa	aaacaataat	aatattttta	tagcccta	atattttgcc	aataggctgc	77820
cccatcatgg	attaatggtt	aatgattgta	ttgcagttgc	caccatcctg	aatgaccca	77880
acttcatctg	gctggtaggc	agagccatga	aactccattt	gtgattaatg	ttgtcatcca	77940
gtaccctgtg	gaaaccatat	catatccttt	ctgttacaga	ggcagtggtg	actcaacttc	78000
caaaaaggaa	agattccaaa	gttgtcccca	gcagaaacac	atgtgggagc	ctttgattgg	78060
aaattgctac	agcactgtat	ctccacataa	atgactatgt	ctgctcttta	tacagggggg	78120
aagatcattt	cctgttcgta	tttctttctg	agccattcct	ctaagtcaga	atcatccata	78180
tttatttttt	aataatcctt	tattattcct	ttcatcttaa	gagtatttga	aatattcctg	78240
ccatatcctg	tctggcctaa	accttagttt	actttgactt	ataccatgtg	gtccccaact	78300
ctttaactgt	ctgtccttat	cagccaggat	tctgggcgat	ggtaaagtgc	gctgggtgc	78360
agtatgtcag	catcctgctt	atcttcctct	gggtgtttga	aagaatcaag	atcttcgtgt	78420
ttcagaatca	ggtggtgacc	accatccctg	tgacagtgat	gccccaggga	gaagtgtgta	78480
aggagcactt	atcctagaaa	ggccgtttct	gaagactcag	caggaccatg	gctgcctcat	78540
tgtcatcttc	tgggaacgct	ttaggacctt	ttgaaagagc	ccagcgggca	cctgcgggct	78600
tgtgtgcttt	tccctcagag	acaacggttc	tttccagttt	tgctctacac	agttccgtat	78660
cttcagagct	cctgcagaat	tgtcagggac	tagtttgtgg	aaaggctctga	gagttcctgg	78720
aggctataat	tagctttttg	ggtttttctt	ctttgcctta	gcgttgaatt	tcaggagaaa	78780
attgcagtca	gttcagacat	cttggaagaa	gtcccatctc	tggtcaagca	gagacttttc	78840
ctctgttgaa	ctgaggaaca	cactgtgcat	ttcttccttc	tgttgtgagc	cactcttact	78900
cttttcaggg	ctctcttgtg	acaacatgc	caatcactag	cactttgcac	ccctgggctt	78960
ctccattttc	cattcacagc	tttgatttcc	agagctgagg	cctttaactg	gagacctgga	79020
ggggcagggc	ccaagggcaa	gggccgcatt	agcacaggca	atcagggagg	gccgctgaag	79080
gacacttgga	ccgtccacct	gccccagccc	aacagtcagt	catctgtcat	cagctcagct	79140
gagcagccct	ggatccctgc	ccgactgtgg	ctggctcttt	gcccggtttt	tccctctgtc	79200
tgtgcccctg	gatggcaggc	tgaagtcaga	ggggctgttt	cattctcagc	ccctcagca	79260
gcactggggg	aagaaagcat	tgtcacaaca	ggttctttct	ggccctcacc	caacagcctg	79320
ggcacttggc	cctcctcctc	cttgacagcc	ctcccccttc	ctgcaaagga	caggggcgac	79380
aggggttggt	gttgggattg	gctcccgctg	cctgacaacc	acaagtttat	ttggaaggct	79440
agcgggaagc	ccagcggctg	gcgtttccct	tgactaagga	aaagggtgcc	catcagagtg	79500
gggcgggcag	ctttgggaag	gacacaagaa	gcagtgaggg	tgtaaagagg	atgctggcct	79560
gggcaggcca	gtccagcctg	gccactagca	gaataccaag	cagtccagtg	gattatcctc	79620
gtggctaagc	aagtgtctgc	aggagcagag	atggctggaa	ggggcctctg	cacacggaag	79680
atggcttggt	cagccgattc	acctcctgag	gatgcgtgca	gtctcctcca	agaacacatg	79740
gagctgcttc	ctgatcccaa	gcaggtcgtt	gcccctggaa	ggacatggct	ccggtgatcc	79800
atgcttcatg	cccacccaga	aacacacccc	tcagtgtgtg	cctcagttta	ccttggagat	79860
catttttcat	ctccagcatc	cgtttccttt	aggctgacta	aaaacagttt	tggaaacaaa	79920
gctattttga	agtattcaag	cagaggaatt	ctctaacact	gtcccccttg	tcttttttta	79980
atattctggc	tatttttagat	gcctaaattt	ttttcttgag	atttatttat	ttttatagat	80040
ggggttttca	ctatgttgcc	caggctgggtc	ttgaaactcc	aacctcagga	aatcctcctg	80100
tctcagcccc	acaaagtgcc	aggaatatag	gcatgggcca	gtgtgccccg	tctcttgaga	80160
ctgaaatgaa	aaattgcttg	tggtttaaat	cccagaatt	taatgaaaca	tgggaagatg	80220
gctaaagata	cgtataaact	ttggtttgca	ttttattaaa	ttatttgaat	gcaaaacttg	80280
tataaagaat	ccattatgtt	ctgtagcttt	ctaattaaaa	tgttcaacat	ggaaggttgt	80340
attagctatt	tttgaagcaa	ggctttggag	ggaggaagaa	tagggagggc	tgaagttgag	80400
cacacttctc	cgagttactc	accagtagcc	ttgctttgcc	acggctctgc	ccaaagacct	80460
tggagctttt	gttagctctt	tggcaaaagt	ttcctggtcc	aaccccaagt	atattagttt	80520
ttagtggaa	ccacatggca	tatgggagct	gcgggttgga	aaattacaac	tgtgtctggt	80580
gaatatcaaa	ttatttacgg	atcattttatt	ggtagtttct	gaaactgaac	cacacagcat	80640
agttgcagga	ggaagaaagg	taagaaatac	acaggatttt	atcaactgag	ctgaagccat	80700
agataagtca	tatttgagat	aattattgaa	tttgttttgt	gggagagaaa	tctctaattc	80760
ttccaaatga	ttagtccagt	ttctgccaaa	gcaggtgagg	tgtctaatgc	cccactgagt	80820

gcccattctg	aagcttatta	aagcaattct	ctctctttgc	gtccctctta	ccttatcctc	80880
cacatccttg	ccccctctcc	ttattcatgc	tttgtaaaga	ggttttggag	ctttctggcc	80940
agataaactt	taaatactga	ttaaggaaat	gtaaattaca	tgatcctaag	gaaaataatg	81000
attgcccggc	aatccccctac	ccagagttat	ggttggcctt	ctggcacaca	tctttctatc	81060
ccatacacta	tttctaactt	tttaaaaaatc	atgaacaggc	cgggcacggg	ggctcatgcc	81120
tgtaatccga	gcaacttggg	agacagaggg	gggcagatca	catctgagct	caggagtctg	81180
agaccagcct	ggacaacatg	gtgaaaccct	gtctctacta	aaagtacaaa	aattagcctg	81240
gcgtgggtgg	gggcacctgt	aatcccagct	attcaggagg	ctgaggcaag	agaatcactt	81300
gaactcgaga	ggcggagggt	gcagtgaacc	tagatcctgc	cattgcactc	cagcctgggc	81360
tacaaaagtg	agactccatc	tgaaaaaaa	atcagtatca	aaatcatgaa	caacacttat	81420
atgaaccctg	tacataaact	cttgtttctg	gtttatttcc	ttaagatagc	tcctagaaa	81480
gaattaccaa	tccgaaaagc	ttacgaccat	tgtcaagaat	cttaattcat	cttgccaaac	81540
cacaaccagg	aaggactgct	tatttcttct	cccagcagca	gggagtctct	gattaagatc	81600
ccatcactaa	tttgacaaga	cctagaaatg	cttcactcct	ttcagggtgc	tgggctctgt	81660
ccctgttatt	tgtwaagggg	attttttttt	tttttttttt	tgaacaggtt	tcgctctgtc	81720
gccccaggct	ggagtgcagt	ggtgcaatct	cagctcactg	caacctccgc	ttcctgggct	81780
caagcacgtt	ctcctgcctt	agcctcctga	gtagctagga	ttacagggtg	ctgccaccac	81840
gcccggctaa	tttttgtatt	tttagtagag	acgggggttc	acctgttgg	ccaggctggg	81900
ctcgaactcc	tgacctcggt	atccaccac	tacggccccc	caaagtgtct	ggattacagg	81960
cgtgagacac	cgcgcctggc	cggatttttt	tttttttttt	ttgcgaggga	gtctcgcttt	82020
gtcgccagg	ctggagtcca	gtggtgcgat	ctcggtcac	tgcaagctcc	gcctcccggg	82080
ttcacgccat	tctcctgcct	cagcctccc	agtagctggg	actacagggt	cccgccacca	82140
ggcctggcta	atttttttgt	attttttagta	gagacggggg	ttcactgtgt	tagccaggat	82200
gatttcgatc	tcttgacctc	gtgatccgcc	cgcctcggcc	tcccaaagtg	ctgggattac	82260
aggcgtgagc	caccgcgccc	agccttgccc	ggaaatatct	tatttattga	aacgtatcat	82320
gtctttatct	ggacctgcta	tgaacctgcg	cctctggggc	taggctaggg	cagggaaatgc	82380
gcaggaggag	gggaaaagct	gcggaccag	ctcctaaggc	cacctggtct	ctccgctctt	82440
cccagttggg	acactgcacc	gggtccatgt	gtcatccagg	tgccgtggcc	ttgggaaggg	82500
tttgatttcc	aagtacacct	gccgcaagga	tgcccccgag	agtgaggagg	gtcaagatta	82560
agattcgact	tcttctaact	gggcctttgt	cctcccagga	gcccccttc	tctggggatt	82620
tgggggtggg	tggggtacaa	cgttcctctg	tagtcagatg	agaggtgact	ctgccagcgc	82680
cctttgacat	tctgggctaa	aagttgagcc	tctcagagcc	ccagcccacc	tgggccctcc	82740
tgccccgcgc	tgggcggg	ccccctcccc	gaggcgtggc	ccctcgggtg	gggggtgggc	82800
aaccggctcc	ttccttcccc	cacggcgcta	gctcccgtg	gccacctcgg	gaccgcagcc	82860
acgtctgaaa	gcgcctcatt	gtgtgcgctc	gggcgggctg	caccgggcag	cgccgagggt	82920
tgccggccgg	cgcgcgggga	gtagagggcg	cgggcgcag	tgccgggttc	cagagggagc	82980
tctgcgcggg	gtccttccct	gtggtagccc	caggacaccc	ccagcctcaa	catcccattc	83040
tgggactcct	gccctgttcc	cacattcggt	ctacctcgag	tctccaggag	cttccagtgg	83100
cttggtcacc	gccaactctc	gtccatgcct	cttagagccc	ctttcccggc	ctcaccgggt	83160
gtcgcttaat	agtcttggga	ccttaaggag	caagtacgcc	cctgcggacc	ctcccagtga	83220
agagaaagag	ctggctgtgc	ggtggaattt	ggaagagacg	acgtttggga	gcctttgctg	83280
agtccaggga	gagaggcgct	ccccaccgtg	ccgctgcagc	tcgggcagag	ccgccaagct	83340
ttggggatc	ttgggtcttc	attctccgcg	ggggatgtcc	ccacactcgg	gtcggctggg	83400
ggccgggctg	gtggcacagc	tggggacgct	cctctgtcct	gcaccgggga	cctgggggtg	83460
cgggaagagc	tgggagtggc	ttttccatca	gcaacgtgga	aagggcacgc	ccgctgttgg	83520
cgccgggttg	gaagtgtctt	gctggggctt	cggctgcgca	ggagaatcct	cactgcgagg	83580
ggagaacccc	ttttgtctcg	atacttgagt	ttcaaaggac	atgactttca	aaagctctcc	83640
aagggtcttt	tctatagaaa	ttattgagag	cacgstagct	tgrcgggttg	actattggta	83700
accagaaccc	aggggaattg	gagtcctgcg	tactgtcttc	tgacggcttc	atcttgggct	83760
tcaggacagg	ccctctgggc	cttcagggaac	aggttgccta	gcaaagtgtg	actttccctt	83820
ctcctccctt	tttcacagag	gcaaggcag	caagtttccc	atttttgagg	atgggaaaac	83880
tgaggcctga	agagcagaaa	ggagttggct	gacttaaacc	cacaagcgag	taggccaagt	83940
accagggcct	ctgagggtgc	tatgctgctc	cgggagctgg	ggctgggctc	ctctccagcc	84000
tgagaggccg	gaacttttct	ggctttgttc	tacaaacaga	gtcaactgga	gtatagagag	84060

cagagagagt	acttgctcta	agtcacaccc	ctcactggta	gtagagacag	gatttgaacc	84120
caatccggct	tcagaagcca	agcttctaag	gccagtcgca	gtgggtcacg	cctgtaatcc	84180
cagcactttg	ggaggccgag	gcaggtggat	cacctgaggt	caggagttca	agaccagcct	84240
ggccaacatg	gtgaaacccc	atctctacta	aaaatacaaa	aataagctgg	gcatgggtgg	84300
gagtgcctgt	aatcccagct	acttggggagg	ctgaggcaga	agaatcactt	gaaccaggga	84360
ggcggagggt	gcagtgagct	gagattggcg	gtacttcact	ccagtctgga	caacagcgag	84420
actccatctc	agaaaaaaca	caagccaggc	ctctagccat	gactttccag	cgtcttctgt	84480
tttgtttgcc	cttgtgggga	ccctgtctgt	gcctgccaca	ttctgttgct	ggggcactgg	84540
ggcacctgaa	tctggtagag	ccattgtcct	tgggttttcc	tcattcaaag	actttccctt	84600
ggattcatag	aatataagt	tggcccagga	aggaagattg	ctaagcaaat	actcataagt	84660
gcactatgcg	ccagactttg	ttctgcttta	caaataytyca	ctcactcact	ctttcaatca	84720
agcccatgag	ttgggttata	ttgtttcccc	cactttacag	atTTTTTTTT	TTTTTTTTga	84780
tacggagtct	cgtctgtca	ccgaggctgg	agtgcagtga	aagtgcata	atctcggctc	84840
actgcaacct	ctccgcctcc	cagggttcaag	cgattctcct	gcctcaaatt	cctgagtagc	84900
tgggattaca	ggcacccgcc	accacgcccg	gctaattttt	gtatttttag	taaagatggg	84960
gtttcactat	gttggtcagg	ctgggtctcaa	actcctgacc	tcgtgatccg	ccctcctcag	85020
cctcgaaaag	tgtctgggatt	acagggtgtga	gccaccgcac	ctgaccttcc	agattttttt	85080
ttaaccaagc	aggcacagaa	ggaagtaact	tgcacaagat	cgctcagtaa	atgggtcaagt	85140
gggattcaca	ctcttaacct	cagtgtctcta	tacctactgt	ctttaatgag	acagacacca	85200
ttctgcttct	agtgtcttgg	gcggggaaat	gggtccagaa	atacatgaac	aagattgttc	85260
tgggtagtga	taatagtatt	aataataatt	tctcactatc	acctattagt	caatattgaa	85320
atatacttga	ttacctctag	ggtatctcct	ggcagatgtt	tttttcaaat	cagaatccac	85380
acaaggtcca	catgttgcct	ttgactatgt	gttttttggg	tttgggtttt	gtttttgttt	85440
ttgtttgaga	tggagtctct	ctctgtcgcc	cagactggag	tgcagtggcg	tgatctcagc	85500
tcactgcagc	ttcggactcc	tggctccagt	gattctcctg	cctcagcctc	ctgggtagct	85560
aggattacaa	gcacgtgcca	ccacacctgg	ctactttttg	tgtatttagt	aaagacaggg	85620
tttcaccatg	tttggccagg	ctgggtctcca	actcctgacc	taagggtgatc	tgcctgtctt	85680
ggcctcccag	agtgtctggga	ttacaggcgt	gagccaccgc	gcccggccct	gagttatttt	85740
cctataaaat	agtctcttcc	tttttctgtc	atagattttg	aagtatgatt	tactttttaa	85800
aaataaggta	attaaaataa	atgggttaata	aaccagggaa	cattccagat	tatctctgta	85860
atgagagggc	tctgtcaata	cttagggaaa	caggcaaatt	tgctaaaagc	acagtccac	85920
tcctgacctt	gtgtgtgttg	ctgcacagaa	gaagtgggga	accctcagac	tttatggcct	85980
ccagctgtaa	ggtactacaa	tttagaccaa	ggcagggtgt	gtttgaagt	ccctgtgaga	86040
atccctaaag	ctcccagcca	aggaaaagg	tttgtgtgtt	gctatctgct	tatctgctct	86100
gaaatgcccc	agggcagtgg	ctctgagcca	gggaggcttg	aggctccttt	cccaggctaa	86160
ttagaattca	tttcccagta	gattttgaag	gcagatctgt	tttctccatc	agcatctggg	86220
ccttgcatgc	ccagccccct	gcctctgggg	gatgccatgc	agctgcatca	ccaggactgg	86280
cagagttggc	agatgtggcc	agggtctggg	ggccaggcac	agcttcagcc	acagcctggc	86340
ccagcccaca	gtcctgggtg	tgagagtgtg	catgggagct	ctgacacctt	ttagtgcaga	86400
gcgggttaatt	catgccccct	gacttctctg	gctaactggg	tactcaggtc	agctgggaga	86460
tggttttgca	ggcacctgtc	tctctgcagt	gatagctgga	caaagacaaa	ctccacctaa	86520
gcctccttta	accaactaga	aatttctgat	tttatcattg	tagtaaaagt	ctgatgtaga	86580
ctatctggaa	aatagcagca	aagcactaata	aagaaaataa	attaccagcc	gggcacgggtg	86640
gctcacgcct	gtaatcccag	cactttggga	gactgaggca	ggcggatcac	gagggtcagga	86700
gatcgagacc	atcctggcta	acacgggtgaa	accgggtctc	tactaaaaaa	tacaaaaaat	86760
tagccaggcg	tggcgtcggg	cacctgtagt	cccagctact	caggaggctg	aggcaggaga	86820
atggcatgaa	cctgggaggc	agagtttgca	gtaagccgag	atcgtgccac	tgcactccag	86880
cctaggcgac	agagcaagac	tcctgtctcaa	aaaataaaaa	taaaaaaaaa	ttacctgtaa	86940
actggccata	gaaaaataaa	caccaaactt	cagtgtgcct	ctcccatact	ttgtattttt	87000
ttaaataatg	gctttattga	gatagaattc	atgtatgtta	aagtttatat	atattatata	87060
taagtatat	atattttata	tatatatata	tatatatata	tatatTTTTT	TTTTTTTTTT	87120
TTTTTTTTTT	aagacggagt	ttcactcttg	tcacccaagc	tggagtgcag	tggcttgatt	87180
tcagctcact	gcaaactctg	ccttcctgac	ctcagggtgat	ccaccatttt	aatccaaagt	87240
gctgggatta	catgcgtgag	ccactgcgtc	cggcccaaag	tttatatttt	aaaaqtgtac	87300

agttcactgg	cttatagtat	attcagtggt	ttcacattga	actttgtata	tatcagtact	87360
ttattctttt	ttattgcaga	taattgtcta	ctgtgtgggt	acaccacatt	ttgtttatct	87420
attcatcagc	tgatagacat	tagggatgtc	tccacttttt	ggctattacg	aataatgctg	87480
ctgtgcaa	tcatgagcag	gttttcatgt	gggcttgtat	gttcagttct	ctaggggtgtg	87540
taccaggag	tggatctgct	gtatcatatg	gtcactctat	tcaacctttc	gagaaaccac	87600
caaattgttt	cttcaggaaa	tgcaccatct	gacatcccca	ttttatgagg	atccccacgt	87660
ctctgtcatc	tcaccaacac	ttgtaattat	atattatttta	ttataattac	ctttttaaga	87720
ttgtaacctt	cttgggtggat	ggaaagtgc	ttgtcactgt	ggtttaattt	gcatttcccc	87780
gctgcctaaa	aatgttaagc	atctttcctt	tttttttgag	acggagtttc	actcttggtg	87840
cccaggctgg	agtgcaatgg	tgcgatctcg	gtccaccaca	acctctgcct	cccaggttca	87900
agtgattctc	ctgcctcagc	ctcccagagta	gctgggttta	caggcatgcg	ccaccatgcc	87960
tggctaattt	tgtattctta	gtagagacgg	aattttctcca	tgttggtcag	gctgggtctcg	88020
aactcccagc	ctcagggtgat	ccaccagcct	tggcctccca	aagtgtctggg	attacaggcg	88080
tgagccactg	tgcccggcct	tttttttttt	tttttttttt	ttgaggcaaa	gtctcgctct	88140
tgttccccag	gctagaatgc	aatggcacaa	ccttggctca	ctgcaacctc	tgctcccggg	88200
gttcaagcga	ttctccctcc	ccgccagagta	gctgggatta	cagggtgcctg	ccaccacgcc	88260
tggctagttt	ttgggtattt	tagtagagac	gggggtttcac	catgttggtc	aggctgggtc	88320
cgaactcctg	acctcagggtg	atccacacac	ctcggcctcc	caaagtgtctg	ggattacagg	88380
catgggccac	tgcgcctggg	tgagcatctt	tccatttggtg	tatcttcttc	agagaaactt	88440
ctcccaaata	ctttactcat	tttaattttt	ttctttattc	attcttaaata	ttattttatc	88500
ttatatttct	taaatatgct	tattcttaaa	aaactaaata	ggatatttgc	ctattttgtg	88560
ttgagttgta	agagctcttc	ttatattctg	ggtacaagtc	ccattctgta	gacatgattt	88620
gcaactgttt	tctcccatct	gtgagtgttc	tttgatattc	gtgtattttt	aacaccacgc	88680
caactgtgtg	aaaaatacat	gcacatctaa	gaacacacac	agatgggaga	aatgtatata	88740
tgtatgtcag	ctttgttact	tctgttttcc	acttgacact	atgtagcgaa	gagctccaag	88800
gttacactgc	tagacttcca	actctgactc	agcagccact	gtgtgaattc	ttcccgcgaag	88860
tcccttttct	tttttctttt	tttttttttt	tttttttgag	acagagtctt	gctttgttgc	88920
ccaggctgga	gtgcagtggc	acaatctcgg	ctcactgcaa	cctccgcctc	ctgggtctca	88980
gcgattcttc	tgccctcatct	tcacgagtag	ctgggattac	aggcatgcac	caccacgcct	89040
agctaatttt	tgtattttta	gtacagttgg	ggtttcgtca	tgttggtccag	gctgktcttg	89100
aactcctgac	ctcaggtaat	ccgccgcct	cggcctccca	aagtgtctgtg	attacaggca	89160
tcagtccac	atgccctgcc	tcccttaatt	tgtttctaca	cctcactttc	ctcactctat	89220
aaaataggga	tgatcatcag	gtmcawgtea	targgttgct	gtgaggatca	aatcagaaaa	89280
tggatgggaa	agactgsgca	tgtaggaaac	cctcatagat	gatgtttrca	ggggttcctk	89340
gttcctgccc	cccatagaaca	ctcaccttcc	atctttatgt	tttatgtttt	gtttttgggt	89400
ttgtttttct	ttgagacgaa	gtttcactct	tgttgcccag	gctggagtgc	aatggcgtga	89460
tctaggetca	ctgcaacctc	cacctcccgg	gttcaagcga	ttctcctgcc	tcagcctccc	89520
attacagacc	tcatgtgatc	caccacacct	ggcctcccaa	agtgtctggga	ttacaggcat	89580
gagccaccgc	acctggcctg	ttttatgttt	tatgttccct	gctttatgtt	ttgtctcatt	89640
ttctgttttc	ttctctcttc	ttcttctctc	tttcttttgc	tcttgttag	ccttccccct	89700
tccaaatgcc	cagggctcca	ctagagcagt	ttggccccag	ttgtagctct	tgatgcctca	89760
aggccactga	ctcctcattg	ggtatgtttt	ttccagcctt	tgggattctt	tttttttttt	89820
ttttctcctt	gtgacggggc	tttgctcttg	ttgcccaggc	tgggaatgcaa	tggctcatga	89880
tctctgctca	ctgcaacctc	cacctcccag	actcaaacaa	ttctcctgcc	tcagcctctg	89940
gagtagctgg	ggttacaaat	aggcacctgc	caccatggtg	gctaattttt	gtatttttag	90000
tagagacgag	gtttcaccat	gttggccagg	ctggtctcaa	actcctgacc	tcaggtgatc	90060
cacctgcctc	ggcctcccaa	agtgtctggga	ttatagacat	gagccaccgt	gccaggtggg	90120
ctttgggatt	ctcgaacagg	gatgacctcc	agccaactct	aaacagagaa	atctaaacct	90180
gggatctata	cctagtgtta	cattttgttc	ccttagattc	tatgaacagg	gctggaacag	90240
gctggtaaca	agaagagctg	ctgtgtcttg	ttgttgtttt	ggttttgttt	gtttgtttgt	90300
tttttgaggt	ggagtgttac	tctgttgcca	ggctagagtg	cagtggcatg	atctgagctc	90360
actgcaacct	ctgcctcctg	ggttccagcg	attctcctga	ctccgcctcc	cgagttagctg	90420
ggattacagg	tgcccaccac	cacacctggc	taatttttgt	attttttctc	tttttttttt	90480
tttttttttt	tttagggggg	acggagtctc	actctgtctg	tcaccaggc	tggagtgcag	90540

tggcagcatc	tcagctcact	gcaagctctg	ctctccagat	tcacgccatt	ctcccacctc	90600
agcctcctga	gtagctggga	ctacaggtgc	ccgccaccac	gcccggctaa	ttttttgtat	90660
tttttaggta	gagacagggg	ttcactgtgt	tagccaagaa	gatgtcgatc	tcttgacctt	90720
gtgatccacc	ctactcagcc	tcccaagtgc	tatgattaca	ggcgtgagcc	accacgcctg	90780
gccaaatttt	tgtattttta	gtagagatgg	ggtttcaccg	tgttggtcag	gcttgtccca	90840
aactcctgac	ctcaggtgag	ccacctgcct	cagcctccca	aaatgctggg	attacaggtg	90900
tgagccacca	ctcccggcct	ggagctgctg	tgtcgagggt	aggcagagct	tggttggaag	90960
tgagtgtgc	ccagagagcc	aggactcctg	ggctccagct	caacctgct	atggaaaacc	91020
atccttggtc	aatgtcttgc	ttttcctatt	tgcaaatacag	gcagaaccat	agctccttcc	91080
taggtctctc	aggccaggcc	aagaaatggg	aagggatggt	tagaagatcc	tgtgacttta	91140
agggtgctcg	cagaaagcca	tgtgggctay	tggggaattc	ctccctctgg	atgtggacca	91200
cagagtatct	gagtgcaatg	gcaagtattt	gttcattgtc	tctactcatt	tgttgtttgg	91260
gacattcctt	gacatgactc	ttactatctt	cttcagtcag	gattctttac	tttttattga	91320
agtatgccat	tcttcagagt	acataataatg	aaagtacagc	ttggtgaact	ttcacaaaact	91380
gaacacaccc	atgtaattag	cactgtcaga	gagaaacaac	gcaggggccag	cccccagaag	91440
ctctgcccct	gcacccttcc	cacctcacc	caccaagggt	ttcactgtca	ctatctaatac	91500
accactcttg	gggtgaagtg	acagaaaactc	atctcccarg	gacttaagca	gaaagtgaat	91560
gcttcctca	gctgaggggt	ccatgggtaa	gccttgca	actggatcca	aatgcttaga	91620
tggtgctgtc	agcttgccctg	tgaactttct	ctgctgagtt	ctcttctgtt	gttgatttta	91680
aacctaggca	gtttcctctt	cccttgtgat	caacaaaact	ccagaattgc	agttgagcag	91740
atgtcccatt	cctaggccaa	tagttctgtg	tgggctgggg	gggcagggtc	agtgtgtgga	91800
atatagaggt	gggtctgtct	tgggacacat	gacccttagg	agccgggagt	ggtggatcag	91860
ccccatctga	gccacatgca	cttttgagtg	ggtgaggggtg	attccccagg	gaaaagccta	91920
gagactgtta	tcagaaggaa	aaacgggtac	tgagtggaca	gaaccaagca	tgtccagtgc	91980
acctgtgcag	tgctgatect	cacactagtc	accggagaac	aggtgttcgc	ttgcgaaaaa	92040
ccacaatcca	aagttccggg	ttgctcacag	gcaagaaggg	aaagcaaagt	acaatgcagg	92100
gcagagtggg	gcatgccttg	acaggcacag	aggaggtggc	tgaggcgag	gctgaaatgc	92160
ctcccagtgg	gagtcagggc	tgcgcactca	tagcatgggt	gagggagttg	ggagagatgg	92220
agcttgtttg	atgaacactg	attattcccg	gccatctgaa	gcctgggata	tgggagataa	92280
ggytgaaaag	ctgaaggtta	ctgaaaagga	gaatgacagg	atcagatgtg	tggtgtaggc	92340
acctctgggg	gcaactgtac	aagatggact	gaagggaggc	cagggtgggga	ctttgctgga	92400
atccaggaga	taaggatgca	gccaggacca	gcatgaccct	cccgcggtg	gatgtccagg	92460
ccatccactg	ggacaccatc	aggcccttg	accgtcacat	agccagatgt	gtcttcagtg	92520
tcccacactt	gattgtcagc	tctgccagga	tcgggatcct	gagcactggc	tttcttggtg	92580
gaatcttttg	ctgatcttat	ctcttctcta	ttttccaacc	tttatctgtc	atttatgttt	92640
tttgttctac	ttttcacatc	ttttaaat	ttctttcaac	gtttctata	tctaatagca	92700
ttagcccaa	ggaaaactaa	gggaaacaag	aaaaaacaag	aaaggaaatg	tactctcagt	92760
acttcagctg	tgagctgtga	gcttcagctg	tgagctggag	tgttttgctg	tggttttagg	92820
tttttgattt	tttttaagaa	agagggtcac	actctgttgc	ccaagctggg	gagcagtaga	92880
atgatataac	tcactgcaac	cttgaactcc	tgggctcaag	agatcctccc	accttgccct	92940
cccaaagtgc	taggattaca	ggcacgagcc	accgtgcctg	gcctccaggc	atattttatc	93000
ctttctcaag	ctatgtgtag	tgttttgaca	aaaataaatt	ttaaaaagag	ttaatgtcaa	93060
aaaaagtttc	tgtgacttaa	gaaggaccac	tgcttagggg	gctcctcctg	ggtaccaaaa	93120
caagaaacag	aactttctat	tccctttatg	gcctcttgta	ctttttagtt	ccaccctcct	93180
cctgaaaaaa	tatgatcatt	ttcatcatca	tcatcaccat	catcaccatt	aattacttgt	93240
tggaatttta	aagcagaatt	gcctctgagg	ttggaaggct	ggagagggca	tgagagatag	93300
gaaacgtcac	tttcttctgc	ctgactggcc	ttgtgctctg	gtgtggggct	gtgtctgcc	93360
aggggggtg	gcctcttttc	ctgtcttcac	atatgaaaca	tgagctggca	atgcctcat	93420
ctttaccttg	agtttttttg	tttgtttgtt	ttgtttttga	gatggagtct	cgctctgtcg	93480
cccaggctgg	agtacagtgg	cgcaatctca	gctcactgca	acctccatct	cccggttcca	93540
aatgattctc	ctgcctcagc	ttcccaagta	cctgggacta	caggcactca	ccaccacacc	93600
cggctaattt	ttgtattttt	agtaggggtt	tgtcatgttg	gtcaggctgg	tctcgatcta	93660
ctgacctcta	gtgatctgcc	cgcctcagcc	tcccaaagtg	ctgggattac	aggcgtgagc	93720
caccatgcgt	ggcttagaat	tttatacaac	acctatgtgt	taacttttcc	aaaaagtaaa	93780

catataataa	atatgtgccc	ctcatcaagg	gaagactttc	aagggggaga	taggccttcc	93840
aggatgggaa	agggcactgg	acaaaggctc	aggactgcga	caccaccac	agagccctgc	93900
agtgaagtc	tggttcttcg	atgtatttat	gtatgtttgt	ttgtttat	atattattac	93960
tttttgagac	ggagtctcgc	tctgtcacc	aggctggagt	gcagtgggtg	gatcttggct	94020
cactgcaacc	tccacctcct	ggattcaagc	aattctcctg	cctcagcctc	ccgagtagct	94080
gggactacag	gtgcctgcca	tcatgcctgg	ctatttttat	atttttagta	gagacggggt	94140
ttcaccatgt	tggtcaggct	agtctcaaat	tcttgacctt	agggtgatcca	cccgcctcag	94200
cctcccgaag	tgctgggttt	acaggcgtga	gtcacccgac	acccggccta	tttattttatt	94260
tattatttat	ttatttttga	gacagggtct	ttctccgttt	tccaggctgg	agtgcagtca	94320
cacagtctct	gctcactgca	acctgtgcct	cctaggctca	agcaatcctc	ccacctcagc	94380
ctcctgagta	gttgggacta	caggctccgcg	ccactgcact	gggctaattt	ttgtattttt	94440
agtagagatg	gggtttggcc	atgttgccca	ggctggctct	gagcttctgg	gcccagcaa	94500
ttcacccgcc	tcagcctccc	aaagtgcctt	aattacaggc	atgagttacc	gtacccggct	94560
ggctcttggg	tttaagcccc	tgcccttctt	ccttcttact	ggatattcat	gtctctgagc	94620
cccactgctt	caattaaaac	agagagggtat	ggtcatttct	gcctcccagg	gacttgggat	94680
gatagcattt	aatcatgaag	acagaagtac	ctatcacagg	gcctgcctga	cttgttcttc	94740
ctaattgtcaa	aaccttggcc	caaattgtcta	ctgtgctgaa	cgtaagggtc	ctatcagaat	94800
gctctcagct	aggaactggg	cttctggaga	ctctgtggcg	taggatgatt	caaccacctt	94860
cctagtctct	gagtttcagt	aataggatct	catagcagtt	cctgtagtgt	gtgagtcact	94920
taagaagacc	tctggcttcc	ctggaacaca	ggtaacaaat	accttggctt	gggatcaaga	94980
tctccctac	ccagggaagg	gctgagctgg	ccaggacaac	tgtgtttggg	ccagagcagc	95040
agggtcctgc	actctgcagg	gagcaatcac	agggtgggaga	agccacagc	ctgggatcag	95100
aagtgccaga	agcttaggaa	caggagtctt	gggtcccag	ctttctcgct	gtctctccaa	95160
gccttgagtc	tttcacctga	aaaattgaca	tcctcgtgcc	cacctcaggg	cccgttgagt	95220
taagtcatcg	cgtggacttg	aagcacctag	cacttgtgat	cattgaagtc	agaaaatgag	95280
ttcccttctc	tttcggcgcc	ccattggcag	gaagccaacc	atcgtcagcc	cactggcact	95340
ggaggagcgt	tgatcatgtg	cagagcagat	gagtggctac	tctccctgtc	ttccaggttt	95400
cccagagtg	gctgtgggat	ctggagtcgg	ctggtgacag	agctgctggg	catcctccac	95460
ccaccctgt	tgctcctga	tgagggaaa	gggcagagag	gagatctgct	cacaagttag	95520
accttggtt	ctctcagtgg	gcgatgtgga	caggggaagg	gggcaggcaa	ggagcaaagg	95580
atgcaggagc	aaggagaaaa	cttccaggct	cctcccttcc	aaagtacccc	agccttgaga	95640
tcattgcaga	tgcaacaggt	gcaaacagaa	gaacactttg	ggaccttggg	atgcgggaag	95700
ctggctcagt	gttccttcca	ccctgtgaga	catgtgtgac	atttttgttg	ttgttgctgt	95760
tttgagacgg	agtttcccc	ttgttgccca	ggctggagtg	cagtggcatg	atctcggtct	95820
accacaacct	ctgcttccca	ggttcaagtg	attttctctg	ctcagcctcc	ctagtacagg	95880
catgtgccac	aacgcctggc	taattttgtg	tttttaggag	agatagggtt	tctccatgtt	95940
ggtcaggctg	gtctcaaa	cccaacctca	ggtgatctgc	ctgccttggc	ctcccaaagt	96000
gctgggatta	ccagcatgaa	cctccatacc	cgacctatgt	gacattctta	aggtccacga	96060
aagggtggt	ggttggaggc	cagagggtgg	cctgtgagat	actgggattg	gaagagttag	96120
tggcctgtgg	gtgtctcctc	tggggggaga	ctccccaggg	ggaggggttc	ctcctctcca	96180
aacagttagct	cagcacaggg	acagtaacag	taatgggggc	atgtgtgtaa	ggaatgcttt	96240
cccaggcccc	ctcttcatag	gtgtttgcag	cagcatctca	cagccctaag	aggttaaattg	96300
ttgcacatcc	catcctacag	aagtggaaa	cgagcctcag	agaagttgtg	tcgcttttgg	96360
ggctatcttc	ccctgtagag	tgtgactcca	tcgcctcctt	gctttaccag	gtgctgagga	96420
acctctaate	atctcccatg	gatttgtgat	cagcgttgca	gctctcccag	cagccctgga	96480
cagtgggtgag	tcccctcagc	tggccgggac	agtcctctgc	tctcacctct	ctgcttctct	96540
ggctccatcc	cagctccgcc	tcagctgggtc	tccttgcaaa	cccacagggc	tccaggacat	96600
cctccctctg	gagcccatgc	tgcttccagc	acttcacccc	ctaccggtga	tggcaacaat	96660
tgggtgttctt	tgtccacttt	atttattggc	tcattttttt	gtttttgaga	aagagtctca	96720
ctctattgcc	caggctggag	tgcagtggca	taatctcagc	tcactgcaac	ctctgcctcc	96780
cgggttcaag	cgattttcac	gtctcagcct	accaactagc	tgagactaca	gacatgcacc	96840
accatgccca	gctaattttt	gtattttttt	tggtagagat	ggggttttac	catgttggcc	96900
agggttgggtg	cgaactcctg	acttcagggtg	atctgccac	ctcaacctcc	caaattgcta	96960
ggattacagg	catgagccac	tgtgcctgga	cttatttgct	cattttgata	ttgtactgta	97020

tgtttttagt	cagagtctca	ctctatcgcc	caagctggag	tgcagtggca	tgatcaaagc	97080
tcactgcaac	ctcaaaactcc	tgggctcaag	cagtcctccc	acctcagcct	cccgaatagc	97140
agggaccaca	ggcgcaactcc	accacacctg	gctttccttt	ttttgttttt	tttaatgttt	97200
ttgtagagac	aggcaggcta	tccatatgtt	gcccaggctg	gtctcaaact	tttcgcctca	97260
aggatcctc	ccacctcagc	ctcctaaagt	gctgggatta	caggcttgaa	tcccaggctc	97320
gcacctgccc	tatttgcttc	ttttcttttc	ttttcttttt	tttttttttt	ttttggaatg	97380
aagttttgct	cttgcccagg	ctggagtgca	atggcgcgat	ctcgtctcac	tacaacctct	97440
gcctcccggg	ttcaagcgat	tctcctgcct	cagcctcctg	agtagctggg	gattacaggt	97500
gcccgtacc	acgcccggct	aatttttgta	tacttagtag	acatgatgtt	tcaccatgtt	97560
gaccaagctg	gtcttgaact	tctgacttca	ggtgatccac	ccacctcggc	ctcccaaagt	97620
gctgggatta	caggcgtag	ccaccacgcc	cagcgctat	ttgcttattt	tcaataagaa	97680
aagttatttt	ccataagaaa	agttatacct	gtctatttaa	aaaaaaaaaa	atcatacact	97740
gcagaagcac	acgctgtagc	aagggcactc	ttcagttagg	gacattacta	catgtctctc	97800
ctgtccatcc	aggatattca	aacatgttcc	cattttccaa	taatccactt	aaatcctgta	97860
ttatgtgctg	gtatcatctc	ccttttgtag	atgggtaaac	tgagtcacgg	ggcgatccaa	97920
tattttgttc	aagatcacag	gctatgtatg	tcagtgtagt	gtgggagatt	aaaaaaggaa	97980
aaagaccaca	ggctacggag	tggaaagacc	tcagggagcc	tggccgtgct	gtgacatcca	98040
ccagagcgcc	catcagttca	acaacctaaa	agagtttctt	tacaggaatt	cttaagcaaa	98100
agacaggaat	tccgtttgaa	atataatttc	ctctccaaat	agacaatggt	aatgtgggta	98160
ggtagaacta	agaaggtagg	actcacatta	agaaggtagg	actcacatta	agaaggtagg	98220
actcacatgt	agacagattt	ccgaccgcat	tctgcatttg	tacttttgct	ctcagctaga	98280
ctggatcctg	agttatgtct	taaggccaca	tttccgggag	agctccccac	tgagaccatc	98340
atgttcatgg	gatgctcggg	tctggtggta	gaatctgccc	cctgcgggca	ctgggcagtg	98400
gggtacggga	tgggcgtgca	ggctgcagcc	cctaaccgct	gcgctctcct	ccctaaggcc	98460
cccagcagtc	agcatgtggc	tgcgcgcgct	ctccagcaca	gcagtgaccg	cgctcctcct	98520
ggcgagacc	ttcctcctcc	tctttctggt	ttcccgccca	gggcccctgt	ccccagcagg	98580
cggcgaggcg	cgcggtgcag	tgtgtgtgct	gtcctcgtgg	cgctcgggct	cgctccttct	98640
gggccaactc	ttcaaccagc	accccgacgt	cttctaceta	atggagcccg	cggtggcacgt	98700
gtggaccacc	ctgtcgcagg	gcagcgccgc	aacgctgcac	atggctgtgc	gcgacctggt	98760
gcgctccgtc	ttcctgtgcg	acatggacgt	gtttgatgcc	tatctgcctt	ggcgccgcaa	98820
cctgtccgac	ctcttccagt	gggcccgtgag	ccgtgcactg	tgtctgccac	ccgcctgcag	98880
tgcctttccc	cgaggcgcca	tcagcagcga	ggccgtgtgc	aagccactgt	gcgcgcggca	98940
gtccttcacc	ctggcccggg	aggcctgccg	ctcctacagc	cacgtgggtg	tcaaggaggt	99000
gcgcttcttc	aacctgcagg	tgtcttacc	gctgctcagc	gaccccgcg	tcaacctacg	99060
catcgtgcac	ctggtgcg	acccgcgggc	cgtgctgcgc	tcccgggagc	agacagccaa	99120
ggctctggcg	cgtgacaacg	gcacgtgct	gggcaccaac	ggcacgtggg	tggaggccga	99180
ccccggcctg	cgcggtgtgc	gcgaggtgtg	ccgtagccac	gtacgcacg	ccgaggccgc	99240
caactcaag	ccgccacct	ttctgcgcgg	ccgtaccgc	ctggtgcgct	tcgaggacct	99300
ggcgcgggag	ccgctggcag	aaatccgtgc	gctctacgcc	ttcactgggc	tcagtctcac	99360
gccacagctc	gaggcctgga	tccataacat	caccacgga	tctggacctg	gtgcgcgcgc	99420
cgaagccttc	aagacttcgt	ccaggaatgc	gctcaacgtc	tcccaggcct	ggcgccatgc	99480
gctgcccttt	gccaaagatcc	gccgcgtgca	ggaactgtgc	gctgggtgcgc	tgacagctgct	99540
gggctaccgg	cctgtgtact	ctgaggacga	gcagcgcaac	ctgcgccctg	atctggtgct	99600
gccacgaggg	ctgaacggt	tcaactgggc	atcatccacc	gcctcgcacc	cccgaaatta	99660
gtggaggcca	cagttgtagc	aggcgctagg	ccggggagga	gagtgcatgg	tgacagagggg	99720
gctggggcgc	acggagaagc	aggcccttat	attgaccaag	gagtttgtgg	tacgacccct	99780
ccccctcccc	aagtaggcaa	ggactgcacg	tttctttctc	tcttgattct	tgggttttct	99840
ttgagtcttc	tggagctgccc	ttctcatcag	gtgcactctt	catggaaaagc	aactcttgcc	99900
cctcctcctc	tgggcacagg	gtgtgcgttc	agatgacttg	gctcctactc	aagggtcttc	99960
ttccccctta	actctctcct	tctggtgaca	catcctgcag	cagctgaggg	ggtgccctgg	100020
cactggctgg	gagtgagag	gcactgtggt	gaaatggctc	cagaggtctg	tacatcacat	100080
acatatgcac	acaggcacac	atggcaaaaac	tcggaagtga	aaggacttgt	ctgaaatcac	100140
atgggtgagaa	ggaggatgaa	gggaggagag	agcttttgct	ctgggtctcc	agtggatagg	100200
agaggacctg	cctcctgggt	gagaagggtc	agattttcct	attttaattg	ctttagggaa	100260

gagcaagcag	agtcattgacc	agggacacag	ctgagagata	gaggaggctg	tgaatgctga	100320
gaccagagtt	tatcatgctg	gacaagcctg	gaaggaggca	ataagtggga	aaggtaggag	100380
gagagaaggc	tggggagggc	tgggcagcaa	gccaggcaca	gtgagtggca	gagccagagg	100440
gggaaagcag	gatcagtgcc	tgggaaggcag	gtgtgccctg	cagcggggag	tggaaactcat	100500
caggcttgcc	aagagggttg	aagggaatat	gctctgggct	ggaactgtct	tcccttggtc	100560
cttctgggtc	aggccttgga	ggaaaagcaga	ggatgatccc	tgcctgtgag	ccacacctcc	100620
tagctctggg	ggcaaagggg	cttagtaaa	gaatgctgga	tgtgtagagg	gtttagtccc	100680
gagctcagga	aatgagagcc	tataagtgcc	cagtacatgt	ttaaaagaag	agctcatgga	100740
acctctggaa	aggacaggga	agttgagtta	gccacataaa	tgaacccaag	tcacattgga	100800
acacagagct	ggtctgggaa	ctgtgttgcc	tgccaacaga	acttctgacc	ctgttacctg	100860
tgaaatgagg	cagtttccct	cacgttgcca	tcagctacca	ggagcgatgc	tgggtggtcac	100920
tagcttctga	tcctcatcct	gggtgtggcc	acagattggg	ggaacctgga	ttgtggagtc	100980
acatcctccc	tgcaaagcaa	gcagggcaag	ggagatctgg	cattttctgc	tttacgtgga	101040
gggagaacag	gcacattagc	cttgaagctg	aagctcattt	taggttcctt	ccagggttag	101100
aagcttcaac	caaatgaaac	ttgaatctgt	ccctcgtgac	aattatagga	ggaaggtatt	101160
taaaacccca	gatttatgaa	tgtgtactac	atggcttaga	gaatgtcttt	gttcttggtc	101220
aggtgggttat	aacaaaatac	cttaagagtg	ggtaacttgg	ctggatgcag	tggctcatgc	101280
ctgtaatccc	agcactgtgg	gaggccgagg	gggatgaatc	acctgaggtc	aggcattcaa	101340
gaacagcctg	gccaacatgg	cgaagcccct	cctctactaa	aaatacaaaa	ttagcgaggc	101400
atggtcgcac	atacctgtaa	tcccagctcc	tcgggaagct	gaggcaggag	aatcgcttga	101460
acccaggagg	cggaggttgc	agtgaagcaa	gatcacgcca	ttgcactcca	gcctgggtga	101520
cagagcaaga	ctccatctca	aaaaaaaaaa	aaagactggg	taacttataa	acaaatgttc	101580
ttctcacaag	tctggagact	gggaagtcca	agatcaagcc	accagtgtctg	tctgatgagg	101640
gcccactttt	tcaaagacag	tgccttctag	ctgtgtcctc	ttatcgtaga	agatgggaga	101700
cagctctcca	gggccatttt	tttttttttt	tttttttttt	tgagatggag	tctggctctg	101760
tcgcccaggc	tggagtgcag	tggcacaatc	tcggctcact	gcaacctctk	gcctctctct	101820
kgcctcctga	gttcaagcaa	gttctcctgg	cctctagcct	cctgtaggag	ctggactaca	101880
gggggatggc	accaccagtg	tgcccaagct	aaattttttg	tatttttgta	gacactggag	101940
ttttcaccaa	tattaggcca	ggttggtctc	aaactcctga	cctcaagtga	tctgcccacc	102000
tcagcytccc	aaagtgtctga	gattacaggc	atgagccact	gtaccagctc	tccagggcct	102060
tttaaagaat	gtcactaatc	ccattcttga	ggtctccacc	ttcattatct	aatcacctcc	102120
caaaggctcc	acatcccaac	accatcatat	tgtgggttaa	gatttcaacc	acaagccagg	102180
cgtgggtggc	catgcctgta	atcccagcat	tttggaaggc	tgaggcagg	ggatcacttg	102240
aggtcaggag	tttgagacca	gcctggccaa	catggtgaaa	ccccatctct	actaaaaata	102300
aaaaaaatta	gccgggtgtg	gtggtgcaca	cctgtaattc	cagctactca	ggaggctgag	102360
gcaggagaat	cccttgaatc	caggaggcgg	acagtgcagt	gagccgagat	aatgccactg	102420
cactccagcc	tggatgacag	agcaagactc	catctcatgc	ccagccagca	tgcccaacaa	102480
gcttcatttg	cccctgttta	ggtcacaaat	tttattgatg	gctgcaatta	atggcctctt	102540
ggtatccaag	tcctttgttg	tatgacccat	ccattctccc	ctgactccca	aggtgtcagg	102600
acatgcttga	ctggctcctg	aatttgctct	ctgcgcagtg	gcagtacagt	caagcctcac	102660
agtgaacca	ggtcagcttt	caggacaaag	aaagtggcct	ggctgactag	gcacagtaaa	102720
gccagggtctg	ggtaggtaca	tacttgtgct	gatcacgtat	gtcttatatc	tctgtgagag	102780
tgcagtccca	acaggaaggt	ttaatcactg	gggactgccc	aatgctgtga	cagggcacag	102840
agctctgggt	tgtgtggggg	gtgactgcat	tgaccactgt	tagtgggttg	ctgtgttgac	102900
actctgtgct	gtgtgaccat	ggctcctgcc	atcaagaagt	agagtctgtt	tctccacctc	102960
tgaatccagg	ctggctcctg	gacttgcttt	gtcctgtaga	caagtgtagt	gcaacttcct	103020
gtgagccagt	ttgaagcata	ggccttgga	gcaaaacttt	acctccacct	gtcttaggtt	103080
ttcagctggg	gctctgctgt	gatttgattg	tgtctcccaa	agttggaacc	ttgatcccca	103140
gtgttgtgag	gtgaggcttg	atggaaagta	aattacgccg	tgcgggttat	gcccttgtga	103200
atgggttagag	aacattattt	ctgggcgcag	gcatggtagc	tcatgtctgt	aatcccagca	103260
ttttgggagg	ttgagggtgtg	cggattactt	gaggtcagga	gtttgagacc	agcctggcca	103320
acaaggtaaa	acaccatttc	tagttaaaat	acaaaaatta	gccagggtgtg	gtggcacatg	103380
cctgtaaggc	cagctacttg	ggaggctgag	acaggagaat	cgcttgaacc	caggaggcag	103440
agattgcagt	gagctgagat	cgcaccactg	tactccagcc	tgggcaacaa	agcgagagtc	103500

caacttggcg	aaaccctgtc	cctactaaaa	aaaatacaaa	aacgtagcca	agcgtggtgg	106800
tatgtgcctg	aaattccagc	tacttgggag	gctgaggcat	gagaattgct	tgaacccagg	106860
aggtagaggt	tgcagtgagc	caagatcgcc	ccactgcact	ccagcctggg	taatagagcg	106920
agactctgtc	tcaaacaaac	aaaaaacgaa	agaaccagag	ctaaagtctt	gatgaaatgg	106980
aaaggattgg	cctactatcc	atTTTTccaa	gatggcaatt	cattccagcc	aatcgagcat	107040
tttctccttt	gggagtaaga	ccagaaaaacc	tggcctgtcc	tgcaagtctt	gtgttattct	107100
gctcccagtc	ctcaagaact	ccactcattc	attcaacaca	cattatgggt	tgagcaccaa	107160
ccaggcactg	grctattata	ggagctggag	atacagcagg	acaaaaaaca	gacaaaaagc	107220
aaaaaccctt	gccctaggct	gggtgcagtg	gttcacacct	ctaattctcag	cccttagtga	107280
ggccgaggca	ggtggatcac	ctgaggtcag	gagttcaaga	ccagcctgac	ccatatggtg	107340
aaaccagtc	tctactaaaa	atataaaaat	tagctgggca	tctgtggcatg	cacctgtagt	107400
cccagctact	caggaggctg	aggcaggaga	attgcttgaa	cccgggaggc	ggagggtgaa	107460
ttgagccgag	atggcgccaa	aggactccaa	cctgggcgac	agagcgagac	tccatctcaa	107520
aaacaaacaa	aacaaaaacaa	aacaaaaacaa	aaaccagcca	ggcgagtggt	ctcacgcctg	107580
taatcccagc	actttgggag	gccgaggcag	gcagatcatg	aggtcaggag	ttcgagacca	107640
gcctggccaa	catggtgaaa	ccccatctct	actaaaaata	caaaaattag	ccaggcgtgg	107700
tggtgggtgg	gcacgcttgt	aatcccagct	aatcaggagg	ctgaggcagg	agaatcgctt	107760
taaacctggg	aggcggagggt	tgcagtgagc	tgagatcgcg	ccactgcact	ccagcctggg	107820
cgatagagtg	tgactctctc	aaacaacaac	aacaacaacc	ctgcccttca	ggaacttgca	107880
ttctgatggg	ggggagatag	ctgatgaata	agcttaataa	atggctacat	tatttagcat	107940
attagaaagt	gccaaggatt	aaagtagaga	aggatcgggg	gatgaggaat	atatgtgtgt	108000
agaggtgtga	gttgtaattt	ttaatggggg	gatcagggtg	ggtctcagtg	agaaagcgac	108060
atttgaagga	aagtcttaca	ggagggtgag	gagtatgtta	agggcaatca	tgggtagcct	108120
gtctggggagc	aggaaagagc	taacacaaaa	gccctaagga	ggggaggcat	ctggcttggt	108180
gaaagagcag	caagggggcca	gggggtctgg	tgtgctggac	cgctccttg	gcttccttag	108240
acagggccca	ggaaacctcc	atTTTTctgag	tcttgcaagg	ctaaatgtct	TTTTTTaacc	108300
tgtcaattca	taaatgaact	aaagatcgaa	ttctaaattc	aaaataatgt	ttcctaattgt	108360
aatacataat	tgattatgta	accctacaat	aattgatttc	ttccactttt	TTTTTTTTTT	108420
TTTTTTtgag	acggagtctc	gctctgttgc	ccaggctgga	gtgcagtggc	gcgatctctg	108480
ctcactgcaa	gctccacctc	ccgggttcac	gccattctcc	tgctcagcc	tctccggtag	108540
ctgggattac	aggcgccccc	caccacgccc	agctgatttt	TTTTTTTTTT	TTTTTTTTTT	108600
gagacagagt	ctcattttgt	tgcccagact	ggagtgcaat	ggcacgatct	cggtcctgc	108660
aacctctgcc	tcccgggttc	aagtaattct	cctgtctcag	cctcccaagt	agctgggatt	108720
acaggcgcat	gccaccaggc	ccggctaatt	tttgattttt	tagtagagat	ggggtttcac	108780
catgttggtc	aggctgttct	ggaactcctg	acctcgtgat	ctgcctgcct	cggcctccca	108840
aagtgtctgg	attacagggtg	tgacctacca	cacctggccc	TTTTTctttt	TTTTTTTTTT	108900
TTTTtgagac	agagtcttgc	tctgtcggcc	aggttggagt	gcaatggtgc	gatctcggtc	108960
caccgcaacc	tccacctccc	aggttcaagc	aattctcctg	cctcagcctc	ctgagtagct	109020
gggattacag	gcacatgcca	ccatgcccgg	ctaatttttg	tatttttagt	aaagacgggg	109080
tttcaccatg	ttggtcagggt	tgggtctcaa	ctcctgacct	cgtgatccac	ccgccgcagc	109140
ctcccaaagt	gctgggatta	caggcatgag	ccaccacgcc	cagcggtttc	ttccacttct	109200
aatagactct	gctagtctgg	gaaatgtacc	aaaaagacag	catggttaaa	aggctagtat	109260
ttcctgaccc	TTTTtatact	tcctattttt	atTTTTagata	ggtttcttgg	ttgatgcaaa	109320
acgccaatgg	tagtggtagg	gaactggcag	gaggaagctt	cctaaacgga	ggtttcaaga	109380
gagacttctg	tttctttttt	TTTTTTTTTT	TTTTTTtgag	acggagtctc	gctctgtcgc	109440
ccaggattga	gtgcagtggc	gcaatctcag	ctcactgcaa	gctccacctc	ctgggttcac	109500
accattctcc	tgctcagcc	tcccagtag	ttgagactac	aggcacctgc	caccacgccc	109560
ggctaatttt	tttgattttt	cagtagagac	ggggtttcac	cgtgttagcc	agggatggtc	109620
tcgatctcct	gacctcgtga	tccgcccgtc	tctgcctccc	aaagtgtctg	gattacagggt	109680
gtgagccacc	acgcccggcc	TTTTTTcttt	ttgagatgga	gtctggcttt	gttgcccacg	109740
ctggagtgca	gtggctcccc	ggttcaagca	atgctcttac	ctcagcctcc	tgagtaactg	109800
ggactacagt	cacacaccac	cattcccagt	taattttttt	tatttttagta	gagatgggggt	109860
ttcaccatgt	tgctcagggt	ggctctggaac	tcctgagctc	agacaatttg	cctgcttcag	109920
cctcccaaag	tgccagaatt	acagggtgtga	gccaccgcgc	ccggctcagg	agaaaattct	109980

aataaacagt	cttgctaatt	ttcttgaatt	aaraggaaaa	tatgggttgg	gtgtgggtggc	110040
ttatgcctgt	aatcccagca	ctttgggagg	tcgagggtgg	tggatcacra	agtcagggggt	110100
tcgagaccag	cctggccaag	atggcaaaac	cctgtctcta	ctaaaaatac	aaaaatttagc	110160
agagcatggt	ggtgggcacc	tgtaatccca	gctactcagg	aggctgaggc	aggagaatttg	110220
cttgaacctg	ggaggcggag	gttgcaatga	actgagatcg	tgccattgat	ctccagcctg	110280
ggtgactgag	caagattctg	tctcaaaaca	acaacaaaac	aaacaaaaat	ggaaaatatg	110340
tattttgcac	acaatacttt	tgagtgtaaa	atagggttaat	gaccgggtgc	agtggcttac	110400
atctgtaatc	ccagaacttt	gggaggccaa	ggcgggagga	ttgcttgagc	ccacaagttt	110460
gagaccagcc	tgggcaacat	agtgagaccc	tgtctcttaa	aaaaatttaa	aaacaaaaaa	110520
gctttaaaaa	aaatcatttt	ctctgc aaat	actgaagggtg	ttggtacatt	gtcatccagc	110580
cttcttcttc	atttggtctac	tgaaccattt	gattctcatt	tctttgtagg	tgacctatag	110640
attccctctg	ttttaggaat	ttctttttta	tttctttctt	tttttttgag	atggagtttt	110700
gcccttgttg	cccaggctga	agtgcaatgg	caagatctcg	gctcactgca	acctcttcct	110760
cccaggttca	agtgattccc	ccgcctcagc	ctcttgagta	gctgggatta	caggcacccg	110820
ccaccacgct	cggctaattt	ttgtattttt	agtagagaca	gtcttcacca	tgttggccag	110880
gttgccctcc	aactcctgac	ctgggtgatcc	accaccttg	gcctcccaa	gtgttgggat	110940
ttcaggcggtg	agccactgtg	cttggtagaa	tttcttattt	ctatcttttt	cttcttgttc	111000
tattttattt	tcttttcctt	tctttattat	gattaatttg	gtggagcaac	accattttatt	111060
tccaggggcca	gcattggata	tagcacaaat	atggaaaaag	gctgtcagcc	actgtcacaa	111120
aaaaatccta	cagaatctga	aatgccaaaca	agaagtctag	ctgcgccaga	aaatacctgt	111180
gaatcacagg	tttttccatt	tcaacttata	tgacaaaaag	tttcagcttt	aattattttac	111240
taaattcctg	agccatcttt	aaattcttgt	ggggtttttt	gtttgtttat	ttgtgtgttt	111300
gttttttgag	acagggcctt	cttctgttgc	ccaggctgga	gtacaatgga	gcaatgatag	111360
ctcactgcag	ccttgacctc	tggggctcaa	gggatcctcc	cacctcagcc	tctggagtta	111420
gctgggacta	taggtgtgtg	ccactacacc	cgactaattt	ttgaattttt	agtagagaca	111480
aggtttacct	atgttgccca	ggctggtctc	aaactcctgg	gctcaagcaa	tctscagcc	111540
ttggcctccc	aaaagtgttg	ggtttacagg	catgagccac	cttgcttggc	agatcggtga	111600
attggtcact	ttttaaaaag	atttttaaag	gtatgattta	tgtagcataa	aattcattta	111660
ttttaactgt	acaattcaat	gattttttaa	gaagttttca	ggctgggcac	ggtggctcac	111720
gcctgtaatc	ccagcacttt	gggaggccaa	ggtagatgga	tcacctgacg	tcaggagttt	111780
gagacaaacc	tgaccaatat	ggtgaaattc	catctctgct	aaaaatacaa	aaattacctg	111840
ggcatggtgg	cacggagcta	taatcccagc	tacttgggag	gctgaggcag	gagaattgct	111900
tgaaccgggg	aggcgaaggt	tgcagtgagc	cgagattgcg	ccactacact	ccactccact	111960
ccagcctgga	cgacagaaaa	agactgcgtc	tcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	112020
aaaaaaaaatt	taccagtcag	gtgcagtggc	tcacgcctgt	aatcccagca	cttggggagg	112080
ccaaggcagg	tggatcgctt	gaggtcagga	acgagaccaa	catggataac	atggcaaaac	112140
cctatctcta	ctcaaaatac	aaaaatttagc	tgggcctggt	ggcacgcgcc	tggaaatcca	112200
gctactgggg	aggctgaggc	aggagaatcg	cttgaaccag	ggaggcggag	gttgcggtga	112260
gctgagattt	cgccactgca	ctccagcctg	ggcaacaaag	tgagactctg	tctcaaaaca	112320
aaccaaccaa	ccaaacaaaa	acattattat	tcgtcacaa	cctcttcac	acctggaacc	112380
ttgtggacat	tacttatcct	tggtaacttc	ccttcagaa	cactattgtt	aatggctgct	112440
atgggtctgaa	cgtgttcccc	caaattcatg	tctgaaact	tcgtgggaat	gcgatagtac	112500
tgagaggagg	ggcctttagg	agacgattaa	gtcagaagag	tggagcccc	gttatgggat	112560
taggaccctt	ataaaaggga	tttgagagat	gggctccctt	tgttaccgtg	tgaggacgcc	112620
cgggcgggtgc	tatcagtgag	gaacgggccg	tcttagaca	tggaaacctgc	tgcgaccttg	112680
atcttggaac	tcccagcttc	cagaactgtg	agaaaaataa	tttctgttct	taataaattg	112740
ccactctca	ggtactttgt	tacagcagtg	caaacaaact	gaacatttagc	ttattccttt	112800
ttacgatttc	tctgccttca	ttttaacagg	ctttctgaag	ggaggtgaga	caaaaatgtg	112860
tgatccacga	ggacaggaaa	tcgagaccat	cctggctaac	acgatgaaat	ccgcctcta	112920
ctaaaaatac	aaaaaattag	ccgggcgtgg	tggcgggcgc	ctgtagtccc	agctactcgg	112980
gaggctgagg	caggagaatg	gtgtgaaccc	gggaggcaga	gcttgcaagt	agcagagatc	113040
gcgcggccgc	actccagcct	gggtcacaga	gggagactcc	gtctcaaaaa	aaagaaaaaa	113100
gtgtgatcta	attttattgc	tctgaaccga	atctctgtac	attttatttt	atttaaaact	113160
aaqtcgaqct	ctatagagqc	tacatagcct	ccctccatt	ctggtccac	accagacttt	113220

gcatgggctc	tttctactat	cagctttaaa	tagagaacgt	tcttggttctg	ttcatgaagg	113280
tttcataaat	gctggagtc	agtcataact	agaactttac	atatcgcttc	catcatagt	113340
ttttccaga	tccctggtaa	ctccatagcg	cggctctgtt	ggggcgcatg	caattcccta	113400
ctttctcaca	gggggcgctg	cagagaaggg	cagagcagag	cgcgcggtcc	cagagcgcgc	113460
cgtccaggag	ggggcgctc	cgtggggctg	tgtctctgcg	agccctgcgc	aacgttgggg	113520
gcgggaacaa	ccctggccct	gcgcccagac	gctgcggcgc	ccttgtgattg	gaggaggcaa	113580
cggtcacttg	gcagcgccgt	tgggattggg	ggaagaggac	cccggctgga	ggtgacgctg	113640
aggcggcgag	ggtgagtcg	cgcggccgc	taccgcactt	cgggcgctcg	tccctcattt	113700
ctctgtggtg	aatggcgacg	ggatggagcg	cagggggagc	ggcggcagcg	gcgggtcggc	113760
cgggtcctg	cagcagatcc	tgagcctgaa	ggttgtgccg	cgggtgggca	acgggaccct	113820
gtgccccaac	tctacttccc	tctgtctcct	cccaggtagc	gcccgcgccg	cgctgcgca	113880
ctgcgcgcgc	cgcgctgcgc	ketgcccgtc	tgtgggcgcc	ccgagtcctg	gcggggtccc	113940
gggtgcgcag	cctgctggcg	gcgtgggcgc	tgtcctccgg	gagggggggc	gtgctgctcg	114000
cccgagcsc	ctttccccc	cacttcttcg	gcggtcctcg	aggcgagacc	ccggagtc	114060
gctgggcgtg	agatgcagag	agcggccgca	ggtgggcccg	gggctggagg	gcgctcgcc	114120
gccaccgag	cgggtcttgg	ccttgagctt	ccgagcgct	caggttcaga	gctgcacccc	114180
acgagcccg	gaggetgtg	tccccgcct	gcctgggtt	ccccacggcg	ccggcctcc	114240
ttcgaggggt	ctcgagcg	cccggccgcg	ctgaggagtc	agagctcgcg	ctcccttgc	114300
ccgggggctg	cagcccgcc	cctccgcgca	ggcgtcgtt	cgctgatcg	gggcgcctgg	114360
ggctaaatcc	tccccctcg	agaccgcctc	cgctttctag	gaatctttcc	cagacctggt	114420
gccacctgtt	gctgggtctc	ccactaagcc	ttcgagatct	ttggcacagc	ttcctttgaa	114480
ctcttctctc	ccgctgcggc	ttgagctggg	cctgctagga	gggttgctca	gaattcta	114540
gccaggaaga	gcgctccgtg	ccctgaaagc	tggaggagg	agagaggact	tcacttggga	114600
aggaggagaa	aagctttgag	gggaggcaca	gttattttgt	tggctcctga	aaggcaagaa	114660
gactagagcc	cgtggccctg	gaaggggagg	tggggctccc	agcagagggg	actgaggtct	114720
tcataaacaa	tgagggaaca	gagcagagg	aaggaggacg	agattccaga	ctctagttcc	114780
aaacaaggca	cctgtgattt	ctcatccct	gggcagcgac	tgccaggcgc	cgttcagcgg	114840
acacctggga	cctgcagtg	tatgtgccc	gggattttcc	cggacgggat	tgtgaagtag	114900
cgggtaagg	catcaggcag	gttggggctca	gatgcagatg	tgcgtttgtg	gtcattcctg	114960
aatgagaat	ctggcagctc	acgttatctt	agaagggtct	aggatcactt	ttgacagtga	115020
tatcaaaaa	ttgatggat	tctggtgacc	ctgtgtgata	catgaaatgt	tcgtgcaatc	115080
tggaggcact	actgggacca	gattaatctt	tgtttcctta	attttccct	ttcctgaaaa	115140
atgtcaagcc	tgccaaacag	ttgagagaac	agtataacaa	ataccatgt	accctttact	115200
tagactcagt	aatattttga	ttctttggct	ttctgtttct	ctttctctct	ctctgctstc	115260
tttctctctc	tctatatrta	taaccacatg	tattacatac	gtatcacact	tagrtgtagg	115320
tcacatgtcc	catttcaact	cgagtcattc	aataggaagt	tgcagaagtc	ataacacttg	115380
cttgatgcct	gataatctta	acatgtatct	tctaaaaacc	attttctats	catgaaacca	115440
tatcacatcc	aagaaactga	acatcataga	ataatgttac	ctaagtgtg	ggccttggtt	115500
acatttcccc	aattgtccac	atagattttt	ttccttaaaa	aaatatatat	attccatgat	115560
ctraggttca	cacattgcat	taagttgtcc	gtctctttag	tttcatttag	ctaaaacagt	115620
tacttcttg	tttgaatttt	ttaagatgga	cattttggaa	gagtcctagt	gaattgttkt	115680
atagactggt	ttacaatcta	ggttcattag	atggtcttca	tgattagatt	tagattaaac	115740
atttttggtc	agaacgctac	ctacctagg	gacgtccact	caccagta	tcacatcaag	115800
agacactgaa	tgtcagcctg	gctcagtggc	tcacacctgt	aatcccagca	ctttgggagg	115860
ctgaggcagg	cgtatcacct	gaagtcagga	gttcaagacc	agcctggcca	acatggcaaa	115920
acctgtgtct	tactaaaaag	tcaggcgtag	tgggtgtgtc	ctgtaatccc	agctactggg	115980
gaggctgagg	cacgagaatc	tcttgaaccc	aggaggcaga	ggttgacgtg	agccaagatt	116040
gcgccactgc	acttttagcct	gggtgacaga	gcgaggcttt	gtctcaacaa	aaaaagagac	116100
attgaatgtc	aatttgatc	ttcattgata	atactaagtt	tgatcatttg	gtgaagatgg	116160
tgtctatgaa	aactctactg	taagggtatc	tgcactctct	ctttactacc	aagtttgatc	116220
atttggtgaa	gatgatgtct	atcagaactc	tctactgtaa	gggttccctgc	atcctctggt	116280
aattaaacgt	catatgtagg	gtcataagtt	ggaactgaat	agtctgttga	gtctctggct	116340
tttagttccc	tttcattaag	aaaagattga	gataagtgga	tttgggatag	gtttaatata	116400
tcacagtagg	taatctgtag	ccatgtgaat	tgttttactt	tcagaacttt	tttctqaaaa	116460

gttttagcagg	gctgtgttcc	ttctggagct	tgtaataaga	actttgcttg	ccttttccag	119760
catttagagg	ccacgtacat	tccctgatgc	ttggcctgct	cttcttcttc	atagccagcg	119820
gcataacatc	ttcaaacttc	tctgactctt	atctcctacc	ttggtcttac	aaagaccctg	119880
tgattacatt	agacctaact	ggaaaatcca	agacaatctc	cttttggaag	atccttactt	119940
tagtcaccac	aatgtccctt	ttcccatgtg	ggttaatctg	ttcacagggt	ttggagatgg	120000
agatgcgaac	acctttggga	gcccattcta	ccacaatgct	taatctcatt	ttccaatata	120060
atattgtatt	acagattaat	tacctgattt	accttcacca	tagggagatg	atgtgccttt	120120
agctgccaaa	gtaaacaaag	cgaagtaat	atacttgctt	taaagcagtg	aacaaataaa	120180
tactgtaaga	tatgtagaca	aagatttgag	agagttttga	gccagcgaaa	tgaaaagtac	120240
tgtatgacaa	tcgataaata	gctattaaat	agatggcaaa	ttaagggtgca	gtagattaaa	120300
gggaaatcac	ttagtttttt	aaaaagcggt	ttagattcag	gtttgccttt	gctattttaga	120360
gtcctgtaat	aacctcatgt	gaaagtgttt	tataagctgt	actcctctac	tcactataaa	120420
taaacctttt	tttccacttt	gaaatgactt	tagtgatgct	atataaaaata	catagtgaag	120480
gagctaattg	atgtggctca	gggttgtagg	gggtgcgggtg	tgccctctcc	ctttctcaga	120540
acctcagaga	gggtgtggcc	tgctgtgtat	kccggacgct	gtttacaaat	tgccctttaa	120600
gcttttttga	aaattgagat	gtgggttggt	gacttagcag	gcctcctggg	gcaggggctg	120660
tgctcctagg	gaagtgggga	tgggtgacat	ttttgtctca	gcaggggccc	ccataacaaa	120720
ataccacaga	ctagctgtct	taaataacag	acattatctc	ctcagttctg	gaggctggaa	120780
ggctgggatt	aggggtgccag	gatgggtggg	ttctgggtgaa	gacctcttc	ctgacttgca	120840
gatggctgcc	ttctcaccat	gtcttcacat	ggcagagaga	gagaggtatc	aagagattga	120900
gaatctcttc	ctctcctaag	accacagctc	tgtagggttt	aacacaggaa	tagtaggggc	120960
acataattca	gcccttagca	cttggatggc	atacctgtgt	tccaacctgc	tttccctggaa	121020
attaccagct	tcgtgtgttt	ctgggatatt	aaggctttgc	ctcccagttc	aaggcctcag	121080
tggttctgyg	gcagctggta	ggaagccagg	ctccagcagt	gccttgagtt	actgcagaaa	121140
gcagagcttc	tctctaaaac	tctggcagct	ccagcagaag	ccctggatag	cagggaccca	121200
gggctgatct	caggctcagta	tggggcagac	agcagccagg	tgaagattgt	tctgagttct	121260
tggaggcagg	tttgcacccc	atthgtccac	tttggaccag	tgaattcctg	atgccatcat	121320
agaattttct	gtagactagg	tgttggggta	gtcaggatca	gattgatttg	ggagtggcac	121380
gtgaggactc	gggatagaag	atggtctttc	tgctttggaa	gagaagcatg	gtgctgtgtg	121440
ggggcttggg	gatgagctgg	cgggtgggtg	tggacagggg	gcctcagctg	ggaggccagg	121500
ccactcttga	ctgatccagg	ggccacagta	gctgcccagg	caggagagat	ttgtgtgggc	121560
accagagctc	tggcaggtgc	acatttgtta	gggaggagca	gtatccagat	gcaggcactg	121620
ctccctctgg	agttgctgcc	agccagggag	gggtgcgtctc	tgggcagcga	aaggcaggaa	121680
tagctcctgg	cctaattggcg	gctagaagag	aaactgcagg	aggatatggg	ttygttggtg	121740
amgaggtggg	ggctgaaacc	ctkrggacca	agaatcctgc	cctcratttc	tgattgacac	121800
tattgactaa	ggstgacttt	tttcattggt	ggaggaagac	tcttgagtcg	ccaggattac	121860
aggcttgccg	caccccacct	agctaatttt	tatatthttt	ggctcgagacg	gtttcgccgt	121920
gttggcctgg	ctgttctgga	actcctaacc	tcagatgatc	cacccgcctc	agcctccaaa	121980
gtgctgggtat	tacagatgtg	accactgtg	cccggcctca	tttgttattt	ttaataagca	122040
ttgagaccta	attggggcat	ccttgatggt	ttcaccgaga	accatttatc	caaaaacaaga	122100
cctgagcact	ctcactggaa	gtgttcagaa	tatgctctga	attgaagctt	tattaactca	122160
aaatgggcaa	agaatttgag	cagtcatctg	tgacaatgtc	aaggktgggt	taaggggatt	122220
tggctccacc	cctatctcca	atagcccctt	aaatccagct	tctcaacaag	attaagaagc	122280
ctgtgtaaag	ggaataaaaa	taccttcata	aaactgtggt	tttcattgat	ctgggggaaa	122340
aaacacacac	actaacagtg	tgcttacagt	gctaatacag	cttcagtaaa	gcttctgggtc	122400
ctcctctcct	ccccctttct	aatccccctc	agcggattga	tgccccctgac	tggtctcttt	122460
taaattgttt	atcccaataa	gtcattctct	cctgagcagt	tcttgtagaa	acaaaagctt	122520
tgthttttct	taccttgtht	ttctthttta	agtctagctc	tcttgccctc	ggctcattgc	122580
gacctctgcc	tcctgggttc	aagcgattct	cgggcttcag	cctcctgagt	agctgggatt	122640
acaggcattt	gccaccacgc	ccggctaatt	tttacgtatt	tttaggagag	acagtgtttc	122700
accatgttgg	ctaggctggg	cttcaactcc	tggcttcaag	tgggtgggatt	acaggcacga	122760
gcaccatgcc	tggcctatct	aataawtatt	tattaaataa	acatgctcag	tacatagaag	122820
catttccaca	tgagtgttta	ttgtgtttgt	tttctcaaaa	acaggatctt	attctacatg	122880
caactggcct	ttgttacttc	acaatgtggc	ttgggcacat	tgcccccttca	gtatatatac	122940

atctattgca	tttttttttt	tttttttgag	acagtgtctc	gctctgtcac	ccaggctgga	123000
gtgcattggc	gtgatctcgg	ctcactgcaa	gctccgcctc	ccgagttcac	actattctcc	123060
tgcctcagcc	ttcccaagta	ctgggactac	aggtgccgcg	tgccttgccc	agctaattct	123120
ttgtattttt	agtagagacg	gggttttacc	gtgttagcca	ggatggtctc	aatctttctga	123180
cctcgtgac	tgcctgcctc	agcctcccag	agtgcctggg	ttacaggcgt	gagccactgt	123240
gcccagccca	tctattgcat	attttaatgg	gactttgtag	tattacgtgg	gtgcacagaa	123300
tgtgttttcc	aaattctgca	gtgatagcca	tgcaggtgac	ttctagtttt	tgatattatg	123360
gacaatgctg	ttgggacctt	cttgttacct	ctgtccttgc	ctacctatgc	ttttctgtgg	123420
ggtgtatccc	cggaagttaa	attgttgacg	caagggccat	gcacatttga	cttccaaatt	123480
accctgcaaa	aagggtggtt	tccagtttgt	attccaacta	ggagtgtcag	gtggggcctg	123540
tggaataatg	tcatgacaac	cgttactgct	caaaacctat	actggcactt	tagatctttt	123600
gtgaagtcc	tagtctggtg	tcaaatccc	caaagggttt	ccctcatctg	tctttatagc	123660
tttaactgtc	attgctcttt	tatttttttg	agacggagtg	tcattctgtc	ttccaggctg	123720
gagtgcagtg	gtgtgatctg	agctcactgc	aacctctgcc	tcctgggttc	aagcgattct	123780
cctgcctcag	cctcccaagt	agctgggact	acagggtgct	gccaccatgc	ccggctaatt	123840
ttgtgtgtgt	gtgtatgtgt	gtgtattttt	agagagacag	ggtttcacta	tggtggccag	123900
gctggctctg	aactcctgac	ctcgtgatta	gccacctcgc	acctcccaa	gtgggtgggat	123960
tacagggtgtg	agctaccacg	cccggccatc	atggctctta	taaagcctct	gtgctttggt	124020
aaagcccgtg	gtttttaatc	agggtagtgt	tgcccccttg	gggacatttg	acaatgtctg	124080
gaaatatttt	tgggtgacac	aactgggaat	agagtgtctg	aggccagagg	tgctctcca	124140
tatcctgcag	tgcacagtgc	agccccaca	atgaaaagtt	atctggtcca	aatgtcaata	124200
gggcggaggg	cgggtggtcaa	gaaacctgtc	tgagctaagc	tcttcactga	tctcaaaaat	124260
cacttgctac	ttacctgcct	ctagccaagg	atggacagtg	ggttttatct	aatgtgtcac	124320
cgccagtccc	tccctgtggg	tagctggaga	gctaccttga	ggattctaag	gccttgccct	124380
gggttcactg	gggggaaatg	ctacatgggc	catttaacaa	attgtaaagt	cacattccag	124440
caggatgggt	ttgttttctt	tatatgggtg	cctcatgcat	agtttttcat	acatagttag	124500
tgattatatg	tatcttaatg	ttgcctgagt	tacagacacc	ttaagagtga	ttagagttct	124560
gtaggagcca	gctctcctaa	cctgcactgt	tgtttacctg	ccatttgtct	tcaagccaaa	124620
catttatatt	ttctggtatt	tatttcatat	cctaaagagc	tttgaaatcc	taataggagg	124680
tgatggcttg	atatttactg	cattgtcttt	caaatgattg	tggaatgaat	ataattgtat	124740
agctgtccat	tttagaagac	tgagtgatca	aaaggtcagg	aaagatcaac	aggcattgat	124800
tgcatagtac	cgtatcaatt	ggctcttttg	cttgtgcctc	ttatggggga	attatttttg	124860
tttgggtttt	ttgggtttttg	ggggagtttt	ttgagaccgt	ctcaccctgt	tgcccaggca	124920
ggagtgcagt	agcatgatct	tgacttactg	caacctctgc	ctcccaggct	caagcaatcc	124980
ttccacctca	gcctctcgag	tagctaggac	tacaggtagt	caataccatg	ccaggctaatt	125040
ttttgtattt	tttgtagaga	cagggtttcg	ctgtattgcc	caagctagtc	tcaaactcct	125100
gggtcaagc	gacctgccc	ccttggccac	ctgaagtgtt	gggattacag	tcgtgagctg	125160
ccgtgcccag	ttatggtcgg	ggacattatt	taggtcaatt	ttgaaatcta	gatgaacctt	125220
ttttttcagt	ttgagggtac	agagattggt	cagctttttc	tgtgaagggc	cagatagtaa	125280
atatgttagg	ctttatgggt	catgtggtct	gtgtcactgt	tatcagcttt	gcccttgaag	125340
ctggaaggca	gccataaaca	atacttaaat	gaaagggc	gggttgaata	agtatgtgtg	125400
tgcaaaaactc	ttgtaaaatg	tttcagataa	gtgtgtatgt	ataaaaagtat	tatgaatggg	125460
ttcagataag	tgtgtaaaaa	acagggtggtg	ggtctgtagg	cagtaatttg	ttgaacacac	125520
taaaaccgtc	aatatttgga	tatttgactg	atgaacccta	ctttgcaagt	aaatgatgtt	125580
gaaggccggg	tgcggtggcc	tcacacctgt	aatccctgcc	ctttaggagg	ccaagtggg	125640
cggattgttt	gagccgaggc	attcaagacc	agcctgggca	acacggtgag	accccatctc	125700
taaagaaaat	acaggccaag	cgcagtggct	catgcctgtt	atcctagcac	tttggggaggc	125760
caaggccggg	agatcacctg	agggtgggag	tttgagacca	gcctggcgaa	actcccactg	125820
cactccatcc	tgggcaacag	agtagtgaga	ccctgtctca	taaaaaaaga	aaattaa	125880
aaaaagaatt	ttgccaggcg	tggtagcaca	catctgtagt	ttcagccact	ccggaggctg	125940
aggcggggaga	acaccagac	ctaggaggtc	aaggctgcag	tgagccatga	tggtgccatt	126000
gcactgcagc	ctgggtgacg	gagtgcagcc	ccgtctttta	aaataaaaat	ttttgactgg	126060
gcgcgggtgg	tcacgcctgt	aatcccagca	cttggggaggc	cgaggcgggc	ggatcatgag	126120
gtcaggagat	cgagaccatc	ctgggttaaca	tggtgaaacc	ccgtctctac	taaaaataca	126180

aaaaattagc	caggcgcggt	ggcggggtgcc	tgtagtccca	gctactcggg	aggctgaggc	126240
aggagaatcg	tgtgacacca	ggaggcagag	cttgcagtga	gccgagatca	cgccactgta	126300
ctccagcctg	ggtgacagag	cgagactccg	tctcaaaaaa	aaattaaaaa	taataaaaaat	126360
ttttcaaaaa	aaaggaaaaa	agaaacggtg	ttgaaaatga	aatgacgggt	atgatgagta	126420
ccctctgcaa	tgattgtcct	gggaaggggca	gtgattcaca	acttttcttt	gtcttccctc	126480
atagagatgt	ggtatgggtgt	attcctgtgg	gcactggtgt	cttctctctt	ctttcatgtc	126540
cctgctggat	tactggccct	cttcaccctc	agacatcaca	aatatggtag	gttcatgtct	126600
gtaagcatcc	tgttgatggg	catcgtggga	ccaattactg	ctggaatctt	gacaagtatg	126660
ttagacatta	aaataccagt	caaaaatggt	taatatgact	agtcaatttc	aggacctatt	126720
ctagaaaaca	tatctgagta	ggatgaagga	aagagtgcct	tttaactgca	agtccagaca	126780
gggtctccct	atgtcaccaa	ggccggagtg	cagtggttgc	aatattggct	cactgcagcc	126840
tccacctctt	gggctcaagt	aatcctcctc	catcagcctc	ccaagaagct	tggactacag	126900
gggtgtgcca	ccatggcccc	gctaattttt	tttgtatttt	ttgtagagac	agggtttcgt	126960
catgttgccc	gggtctcgaa	ctcctgagct	caagcaatct	gcccaccttg	gcctcccaaa	127020
atgctgggat	tacaggcggtg	agccactgtg	cctggcccag	tttttttaat	gtattgattt	127080
tttttttcca	cccccaagg	cctattactt	ggctaacctc	tttgacttct	tgagtcagat	127140
ttcatctcag	tggcttcagg	gaagtcatgt	taaactttgt	gagatatatc	tcgtgagaga	127200
ggccaccagc	aagaggaaaa	tttatctttt	tggaagctac	ttctcctctc	tgatcagcta	127260
tcacttgagc	attggccctg	caagatgggt	ggtgaattac	ttccactcat	gtgggtgtgg	127320
ttgctgtaaa	gatagaagac	aaattttgat	gacaagaatt	ctttgccagg	tgtagtggct	127380
catgactgta	atcccagcac	tttgggaggc	agaggtggga	ggcttgctga	agcctaggaa	127440
attgagacta	gcctcagcaa	catagcaaga	ccccatctct	acaaataaaa	ataaaaaatt	127500
tagctgagtg	tgggtggtgtg	tacctgtggt	tccaactacg	tgggaggctg	aaatgggagg	127560
attgctggag	ccaggagggtc	caggctgggc	tgcagtgagt	cgtgatcaca	ccacagcact	127620
ccagcctggg	ccacagagca	agaccggggg	gaaaaaaaaa	gaattcttgc	ttagaaaagt	127680
acccgattag	tgctctagtt	atttttttcc	ccttaggact	ttctgaataa	gaattggagt	127740
aacatgatgt	tatgaattat	tttcaggctt	gtttttgggg	cgtttggttt	gttatggctt	127800
ttgcttatgg	gataagaaac	agttacagaa	atgagaacaa	taagttttaa	tcattttcaa	127860
gctcatgcat	aaatataaat	gtgtatttta	tataaactga	aaattctaag	taattaaaaat	127920
gtaaaatcct	ccattttctc	atccctaamt	aatagccaca	gtttacatct	tgggtgtgat	127980
ttcttttttt	aggatatagat	gtaaacataa	atacattttt	ataatataga	aatgtaatat	128040
tcctactgat	ttgtaacttt	ttttcactgt	gaattgaaac	cttagcatca	agcagaaatc	128100
gccctctatg	tctttgactt	gaggtgtttt	tttttttttt	ttttgagaga	aagtggccta	128160
gtttctctgt	gttctaactg	tatcacctac	tgtgtctttg	gagaccctct	gccccaggat	128220
gactggctgc	tagggcctgt	cttagtttgt	tcctcagtaa	aataggggta	atactaccca	128280
acctcatacc	cttgcatgat	tgagctaatt	tgtatatgat	gtaataacct	acacatagta	128340
attgtcgaat	aaatgttgta	ttcattttct	tctttaaggc	tctatgaata	gtctgttccc	128400
tttccatttg	ctgctctctt	ggatataact	tttcctttct	tcgcttcatt	atcccaatcc	128460
cactttagg	cccagttcaa	gttccttaag	cttcttttcta	tccaaccag	tctttcttgt	128520
gtacctaaat	tttggagggg	cccaatgaaa	catgtctttc	agatgttagt	aacaaaaatgt	128580
acgcattgcc	agtggagctg	ggcattttta	atcactaaat	gttcaaggca	gccaaccttt	128640
ggttaatat	gttctttctt	cttgttaaaa	tatgtttaata	taccttca	tcacatttgt	128700
gaaatgtgcc	aggcatgggtg	gcttatgcct	gtaatcccag	cactttggga	agccagcttg	128760
ggaggattgc	ttaagtccaa	gagttcaaaa	ccagccttgg	caacatagtg	agaccctgtc	128820
tctacaaaaa	ataaataaat	aaaatagcca	ggtgtggtgg	cgtgtgcctg	tagtcccagc	128880
tgctcgggag	gatcacttga	gcccaggagg	ttgaggctgc	agggagccat	gatcatgcca	128940
ccgcattcca	gcctaggtga	aagagtgaga	cactgtctca	aaaaaaaaaa	aaattgtaa	129000
cgtgattgag	acactgtatg	ttattttgca	ttattgcaaa	tctgtttctg	tcttgtgtcc	129060
ccagctagat	tccaagtacc	ttgagaatag	cgatcatacc	ttataaaaca	cagaagtgtt	129120
ctgcagatga	aaattggagt	gaatgaacac	actatgacaa	aggagaattt	tgttggagca	129180
ttttgtgggg	agggtcatct	gggaaatctg	gatctattct	tttcttttta	aaatttttat	129240
tatttattta	tttattttta	tttgagaaca	gggtcttggt	ctgtcaccca	ggctggagtg	129300
cagtggcata	gtcacagctc	actgcagcct	tgacctccct	agctcaagtg	atccccctac	129360
ctcagccacc	caagcaacta	ggattacagg	caggttcaact	acacccagct	aattttttgta	129420

ttttttgtaa	agacaaggtt	tgggtcatgtt	accaggatg	gtctcaaact	cctgggctca	129480
agcgatcctc	ctgcctcggc	cttccaaaat	gatgggatta	taggcttgag	ccactgtact	129540
tggccgggttc	tttttttttt	tgagacagga	tcttgttctg	ttgcccaggc	ttgagtgcag	129600
tgtcgcgatg	tgagctcaca	acaacctcca	cctcctgggt	tcaagcagct	ctcctgcctc	129660
agcctcccga	gtagtaggga	ttacaggcac	gtgccaccac	acttggctga	ttttttgtat	129720
ttttagtaga	gatgggggtt	caccatgttg	cccaggctgg	tctcaaactc	ctgagctcag	129780
atgatccacc	catctcggcc	tcccaaagtg	ctgggattac	aggcgtgagc	caccgtgccc	129840
ggccggatct	attcttttca	aacgaatgaa	atgttaactt	tcttgggtaca	cttccttggg	129900
ataatgctga	actcgtatag	taactcaaat	gggtatctgc	atagatacag	gggttttctg	129960
tttgtttttc	caatttgcag	gaaattatag	tgactagcgt	aataaaaaaca	atcaatgact	130020
tgggagacaa	aggaatccct	gagtatctct	cctctcatgc	cctgtgaatg	aataacaact	130080
ttatggctta	gagtcctcct	gtcttccctt	ttcacccctc	tagtccctcc	tccgtccatt	130140
tcttgaaagg	aactatgagt	gtgatagaag	gtggagtggg	gattccctgt	ggcctgaaac	130200
atctcttgct	tagtctaact	caaaagatcc	tttttcattt	gttaccaaaa	atgtattagg	130260
tcctgtttga	aggctaggca	tggggtaact	ggtaggggaa	tacagatatt	tttgagtcca	130320
taatctgggtc	atgtgggaat	tgctatcttt	gtgattttga	ttattttcttc	cagattattt	130380
tattcaataa	atctaggaga	ctctgggttt	taaggagtca	gcatctaaaa	gtgatcttgc	130440
aagccatgca	atgaatactc	aaagtgtaga	gtagtccaca	gaaagaatag	ggaaaacctc	130500
acattttctgt	aagattttaa	tttcagtata	aaatctggaa	cattctactc	gcagtagtat	130560
tttaaatggt	gtattttcgt	gagtttgtta	accttcgttt	tttgtttttg	tttaacattc	130620
ttgcatttta	aatcagggtgc	agctattgct	ggagtttacc	gagcagcagg	gaaggaaatg	130680
ataccatttg	aagccctcac	actgggcact	ggacagacat	tttgctctct	gggtggtctcc	130740
tttttacgga	ttttagctac	tctatagcat	acatccttat	gctgagatgt	tgaacttaaa	130800
ctttatggaa	tcctccaaaa	gaatacatta	tggagtgtag	tgttttctta	gttcttcaaa	130860
gggaagcaac	ttggatgaac	aggaacatga	aggacaacac	atctcagcct	tttcttcatt	130920
ttgaagctcc	tagaattgaa	gacttatgtg	gactcctatt	gttctcaacc	aaaacaagtc	130980
ttttggcttt	cttttttgta	gatattttrat	ttaagcagtt	ttcatgtgta	cctttacsca	131040
agccaagtca	acagtgtctc	tggggtgcca	tcctttgcac	tgaattttac	agtattctgt	131100
gagatgtcgc	atattttgaa	gaaaccgtgg	aagatactgg	tttattttcaa	atgagcagag	131160
tatgtttgat	taaaatctta	tctaactctg	attaaaattt	ggcaaaactct	tttctttgct	131220
acatcttagt	gacaataaat	gccaaatagg	ttttggttga	gtatagtttt	gaaaacaaat	131280
ttggtgaaat	aaagcaggaa	aaaaaattta	agtataactc	aagtagtggc	tttggttcca	131340
ctgtttataa	ataaaaagta	gataacaatg	aataatgtga	cattttctgg	acaactgtct	131400
tgactttctga	ttaagatatt	ttaagagatg	tgaatttggt	attttgtatg	ttttatcaaa	131460
ataagctagc	taatttagac	tttttagatt	ttctgtacca	cctttccctc	atcactttta	131520
attytcctta	ttttattttca	tttaattgga	aamatacata	ccctattaaa	tggcttgagt	131580
tggaaatttt	aagccagatt	tgtttgga	ttgagrcaca	cataagatac	tttaggcatt	131640
ctgtcatagt	ttttcttagt	gactttggta	tactaatgac	ccttgagaaa	ctatagaagt	131700
gcatctgaaa	ctagagttag	tggttattga	tttttttagct	taatgtgttt	acctagtggg	131760
aactcttcag	cccactttta	cagtattggg	tatcaactcc	cagaaagtgc	ctaaagttta	131820
atgttcagat	atgtaccac	tctccccttt	acatttttat	tcaaaagaat	ttatatcttt	131880
aaagagattt	aaatatcaag	agttttttta	aaacttaatt	ttagctattt	aaatttttat	131940
tctactgcct	aactttcttt	ttcattaaaa	ggcctgaaaa	ctgtgactct	ttgagagggg	132000
aagaatcgca	gaaattaagt	atttaatgtg	atcctttcca	cctaaactgt	tttgatatgga	132060
atacaatcag	tgtggtggta	gtggtggtgg	ttatctgcaa	aatagtttct	ggtgattaaa	132120
tctgactttt	tttttttttt	ttctttttaa	tgagacgkag	cctcactgtg	ttgcccaggc	132180
tggagtgcag	tgggtgcaatc	tcagctcact	ccaacctctg	ccaccggggt	tcaagcgatt	132240
ctcctgcctc	agtttcctga	gtagctggga	ttacaggcac	ctgccaccgt	gcccggctaa	132300
tttttgattt	tttagtagag	ataggtttca	ccatcttgcc	caggctgggtc	ttgaactcct	132360
gaccttgtga	tccaccgcgc	tggcctccc	aaagtgtgg	gattacaggc	gtgagccacc	132420
gcgcctggcc	ataaatctga	catcttttaa	ggaaagtfff	cattgtgaga	ttaacggctt	132480
aacagcccat	gaggtcatat	acacatgaac	gtatctattc	catttaaagc	aatacacact	132540
ctggcttctg	attaaaaata	gccaggagga	gagtctctga	atctactgtg	attctggagt	132600
ctgcccgaatt	tggaaaaaaa	aaaaaaagaa	aaaagtcagg	aggaccaatt	tgccagggaa	132660

actcatagaa	aagaattaca	aagagatcac	aaaaactgga	catattcttt	tgactaatta	132720
gaccacttat	ggctgggcgc	agtggctcac	acctataatc	ccagcacttt	gggaggtcga	132780
tgtgggagga	ttgcttgagc	cacaagagtt	caagactggc	ctgggcaaca	tagtgagacc	132840
ttgtctctac	tacaaaataa	aaaaaaatta	gctgggcgtg	gcctcagcta	cccaagaggc	132900
taaagtggga	ggatcacttg	tgccctgggag	gttcaggctg	ctgtgagccg	agaccacgcc	132960
actgaactcc	agcttagggc	acagggcaag	accctgtctt	aaaataatat	tactaatttt	133020
ggtaattaac	ttatcaaaac	tatagtgaca	tatacacggg	cagaaactta	taagtagagt	133080
tgtaatgcag	ccaaatattc	ttacaaattc	cctaacaaga	agctcaaatc	tttctcacag	133140
gcaaattgta	aaaattctag	ttttttgttt	aaagagctgt	gattttcaaa	agtatccctt	133200
cagtttaaga	aatctggggg	attggtaact	tttcttatgg	gaaatgattg	ccatcatctc	133260
tactgaagga	tgccctctac	tgaaaaatgt	cttttgaaagg	agttcttgcc	taaagcattc	133320
tttggatgta	atttcataca	ctaaacatat	agaccagtag	ttagtggggc	cctcctctta	133380
aacagtaact	tttgaagtac	tgatacatga	ttaaaatggt	agatattttt	cactggagct	133440
aagacttaaa	attagggcac	tttgaaggt	gtatttggtt	ctgtttcttg	tttgatatat	133500
tttggttatc	tactctttta	aaaaactaaa	cgtataaaag	gtatcttcaa	attactgagt	133560
gtttcatcca	tcccagtagg	tgaagtattc	tccagtgaat	aaatctatat	atatatatag	133620
attttaaata	gcttgagcgg	tgtagcttga	aatgttttca	gggaaagact	atttgaatca	133680
taaggaaatag	ctttgatttt	cttttttatg	tctcaaatat	agaattattd	gggggtgggc	133740
actcagatgg	aagaatattg	gcaattgtgt	tgaacatttt	accttatata	gttttgagaa	133800
tttttgccaa	aaactgattt	cttagaaata	tcctccccc	gctgtgcttt	ggttttttgg	133860
tttttttggt	ttgagacgga	gtcttgctct	gtcgcccagg	ctggagtgc	gtggcatgat	133920
ctcggtcac	tgcaagctct	gcctcccggg	ttcacgccat	tctcctgect	cagcctcccg	133980
agtagctggg	actacggacg	tccaccacca	tgcccagcta	attttttgta	tttttagtag	134040
agacgggggt	tcaccgtggt	agccaggatg	gtctcaatct	cctgacccgc	ctccacctcc	134100
caaagtgctg	ggattacagg	catgagccac	cacacccggc	ctctgctttg	ttttttaaaa	134160
aaaaagaaat	gcaagagagg	gagggaggca	gcctcctgac	cataaaagct	gatttcttga	134220
tttttttttc	tttttttttt	gaaatggagt	cttgctctgt	ctccaaggct	ggagtgcagt	134280
ggcatggtct	cagctcactg	cagcctccgt	ttcctgggtt	caagtgattg	tctgacctg	134340
gccgtgagt	agctaggatt	actggcaccc	gccacaaggc	ccagctaatt	tttgattttt	134400
tagtagagac	agggtttgat	tatgttggac	aggctggctc	caaactcctg	acttcaagtg	134460
atccaccgc	ctcggcctcc	caacgtgatg	ggactataga	catgagccat	catgcttggc	134520
cttcttgatt	cttgaatacg	gggttttgag	gtgaaagcat	ttcatgaaaa	cttaagtcca	134580
tacacaagag	catcatgaat	attctaaaag	aggtatctgt	gctttttttg	tgaccacaaa	134640
atattacttc	ttatgaaatg	tttactactag	gtgaggaaaa	gttcattaat	tacctttaaa	134700
ccgttcctta	ttttttttta	gattttaaat	tgtatttttg	cttttgctc	cagtatcctt	134760
tctggttgct	ctggtttgaa	ttaagttcct	attatgctgc	agcacatatc	aaccttcctt	134820
aagtaaccat	ttcctggaat	gtgaagcatc	ggtgccatta	gcagaccata	tgagaaaatg	134880
tcgtgtactt	gcatttcttt	tttgtgcact	ctataaggct	ggttgtgact	cagatcagct	134940
taacttttta	tattatgtta	tttactaac	tgctacagtc	aaaatgatca	aatctttgta	135000
caatagaaaa	ttattttaat	tttatttttc	tactgacatt	tctaattcta	gtgtaaatgt	135060
ttatcaataa	aaaattactt	tcaattctga	gttggaaatta	tatttctttt	tggtggctaa	135120
tgagtttaat	cttttgtaat	aaaattgact	tcagttttca	ttttttaaat	aacttaatat	135180
ctagcatgtg	taactttttt	tatgttctac	ttcttactaa	tttatgataa	aattcttgtt	135240
caaagttgtg	attaaaccgt	acttaacatg	tgaacttgaa	attcttatta	actctacttg	135300
ctggggccata	tattcccatc	aagaaacttt	tgtttgattc	tgtgcaggaa	taggtgagta	135360
ttgatacagt	gtgtgaaaat	gtattatttt	aatagtaagt	ccacatgaag	agaagcttcg	135420
tcgtgttttg	ttaatttaat	acccttggtg	acatcataaa	tctcactgtt	ctgccatttt	135480
taacaaaatg	gactaagttg	ggtagtttac	ctcatggtca	caagattgct	gcagttccag	135540
ccattgcaga	cacatacaga	gaatgtctgg	caggagattg	cccatctatt	ccttctaatt	135600
ttctaaaagt	gaggtttaac	atgcagtaaa	gtgtacaaat	cttaaaatgt	atagcttaat	135660
gaattttaca	tatatatata	tatatatata	tataacttta	atgtgactaa	tagatcaaga	135720
gacagaatgt	ttctagcacc	ccggaaaagt	acgtacacag	ttcagacaga	agaccccaag	135780
actgtatatg	tatctgggag	taaaggtgct	gagatcgga	gggaggacac	cctaaattat	135840
taccgagaaa	acagaacagt	gaaccaggaa	tctttaggga	gttgagggga	tttgtgctgt	135900

ggccaagtgg	agagccctgt	ccgaaggagt	cagctattgc	ttggctccag	cctgtttctg	135960
ctttattcga	tgattaaccc	aatcttgcca	gatacttatt	ttcaagagaa	gctggaaatc	136020
taggttactg	tttgaaatct	ctccattttt	aagtgttagc	aactaattta	aacttgcgta	136080
aaacactttt	attatattt	tatttattta	gagacacagt	ctcgctctgt	tgtcagggt	136140
ggagtatagt	ggcgcgatct	tggctcactg	caatcttcac	ctcccaagtt	caagtgatc	136200
tcctgcctca	gcctcccaag	tagctgggat	tacagatgtg	cgccccaaa	cctggcta	136260
ttttgtat	ttagtagaga	cgagggttca	cggtgttggc	caggatggtc	togaactcct	136320
gacctcaaat	ggtcgcgcca	ccttggcttc	ccaaagtgt	ggaattacag	ccgcgagcca	136380
cctgtaattg	tgcgccttgc	cgtaaaacac	ttttaagtca	ttacaataca	tgatttttaag	136440
ctggatttgg	cctgtccacc	accaattttt	tttccatctc	aactattaga	aagtaattcc	136500
cactctgatt	acccttaaag	cggtcaggaa	ctctagtgtg	aaatctgaac	aatcacatgg	136560
agtgttagga	gaaatgggtg	ctggggagtg	tctgccagag	aacgcagtg	ctcctgttcc	136620
ccagactcac	ccccagtgat	agggcaaaa	ggtacatcct	gatttgtggc	tgtaggacac	136680
catttatgct	gtccaaggta	aatgacgcca	agaatggtca	acttccaaat	actgggttca	136740
aattttacat	ctatttttct	attactctcc	cataagaaaa	gtgtgcttag	gccgggtgca	136800
gtggctcatg	cctgtaatcc	cagcacttcg	ggagcccag	gcgggcagat	cacctgaggt	136860
caggagtcc	agatcagcct	gaccaacatg	gagaaaccct	gtctatacta	aaaatacaaa	136920
attagccaca	cgtgggtggtg	tatgcctgta	atcccagcta	cttgggaggc	tgaggcagga	136980
gaatcgcttg	aaccaggaa	gcagaggttg	cagtga gccg	agatcacgct	attgcgctcc	137040
agcctgggca	acaagagcga	aactccatct	caaaaaaaaa	aaaaaaatgt	gcttaaattgg	137100
atcataaacc	taaacgcaag	aactacaact	cttagaaaaa	aataagcgta	aattttatga	137160
tcttggttta	ggtaaagctt	tcttagatac	aattccaaaa	gcacaaggga	aaataaaaca	137220
aaaatagata	aattggactt	catcaaaatt	aaaaacgact	ttgaaggaca	ccttcaagaa	137280
agtatgaata	gccagacacg	gtggctcatg	cctgtaatcc	cagcaatttg	ggaggcccgg	137340
gtgggaggac	tggtttaggt	catgagtttg	agatcagcct	gggtaacaca	gcaagaccct	137400
atctttacaa	aatatgtgta	tttttaaaag	ttagctgggt	gtggttgtgt	gcacctgaag	137460
ttctagttag	tcaggaggct	gaggtgggag	gattgcttga	accaggagt	tggaggctac	137520
agtggggcta	tgcaccactg	cactccagcc	tgggcaatag	agcaggatgc	tgtctttcaa	137580
aaaaagtgg	aacctcacaa	aatatgagga	aatatgttca	agtcacaaag	gactggacca	137640
gcctgggtgt	ggaccaactg	gaccaacatg	gtgaaacccc	gtctttacaa	aagggtataaa	137700
agttagctag	gcgtggccag	gcgcggtggc	tcacacctgt	aatcccagca	ctttgggagg	137760
ctgaggcggt	cggatcacaa	ggtcaggaga	tcgagactag	cctggccaac	atggtgaaac	137820
cctgtctcta	ctaataatac	aaacattagc	cggtgtgtgt	ggtgcatacc	tgtaatccca	137880
gctactcagg	aggctgaggc	aggagaatcg	cttgaacctg	ggagggtggag	gttgtgtgta	137940
gccaagatca	tgccattgca	ctccagcctg	ggcaacaaca	gcaagactca	gtctcaaaaa	138000
aaaaataata	ataatgataa	taataattag	ctaggcatga	tgggtgcgcc	ctgtagtccc	138060
agctactcag	gaggctgagg	tgggacgatt	gcctgagacc	agggagggtt	aggctgcagt	138120
gagccgtgat	ggcactacta	cagcgtgagc	aacagtgaga	accattttca	aaacaaacaa	138180
aaaaacttaa	acatcaacaa	aaagaaccca	atttttaaat	gggcaaaggc	cagacgcagt	138240
ggctcacgcc	tgtaatccca	gcactttggg	aggccgagg	gggcagatca	cgaggtcagg	138300
agatcgagac	catcgtgggt	aacacagtga	aacccgtct	ctactaaaaa	tacaaaaaaa	138360
ttagccggtt	gtggtggcgg	gcgcctgtac	tcrggagggt	gaggcgagg	aatggcgtga	138420
acccgggagg	tggagcttgc	agtgagccga	gatcacacca	ctgcactcca	gcctgggcga	138480
caaaacgaga	ctctgtctta	aaaataaaat	aaaataataa	aataaaaaat	aagtaaaata	138540
aaataataaa	ataaaataaa	atggggcaaaa	caggcacagt	ggctcacacc	tgtaatccca	138600
gcactttggg	aggctgaggt	gggtggatca	cttgagggtca	ggagtccgag	accagcctga	138660
ccaaaatgat	gaaaccccat	ctctactaaa	aatacaaaaa	ttagccatgc	ctggtggctc	138720
acacctgtgg	tcccagctac	tcgggagggt	gaggcagggt	aatcgctgga	acccgggagg	138780
cagagcttgc	aatgagctga	gatcacgcca	ctgcactcca	gcctgggcag	cagagcaaga	138840
ctccatctca	aaaaaataaa	ataaaaagg	caaaacatct	caaaagatat	ttctccaacg	138900
aacatwtaca	atggccaatt	aggacatgaa	aagatgttta	actccattag	tcacaggaa	138960
aatgcaaata	aaaactacag	tgagatgcca	cttcacacca	actaggaagg	ctagaataaa	139020
agagggtatt	ggaggccggg	cgcggtggct	cacgcctgta	atcccagcat	ccctgggagg	139080
ccgaggcggt	cggatcacct	gaggtcagaa	gttcaagacc	agcctggcca	tggtgaaacc	139140

cgtcttctta	ctaaaaatac	aaaaaattag	cggggcgtag	tgggtgtg	ctgtaatccc	139200
atctactcgg	gaggctgagg	caggagaatc	gcttgaaccc	gggaggcgga	agttgcagtg	139260
agccaagatg	acgccattgc	actccagcct	gggcaacaag	agtgaactc	tgtctcaaaa	139320
aaaaaaaaaa	aaaaaaagag	ggtattggca	aggggataaa	gaaattgtaa	ccatcacatg	139380
ctgctggtga	gaatataaca	tgttacaact	gctttggaaa	acactttggc	agttcttcaa	139440
aaggttttgt	tttttgcctt	gagacggagt	cttgctatgt	tgccaggct	ggagtgcagt	139500
ggcgcaatct	cggttactg	cagcctctgc	ctcctgggtt	ccagcaattc	tcttgcctca	139560
gcctcctggg	tagctgggat	tacaggcgca	caccaccaca	cctggcta	ttttgtattt	139620
ttagtagaca	tggggtttca	ccatgttggc	caggctggtc	tcaaactcct	gacctcaggt	139680
gatctgcctg	cctcggcctc	ccaaagtgtc	gggattacag	gcgtgagcca	ccgcgcctgg	139740
cctccaaagt	ttttttttta	aagttattat	atgatcacgc	aatcccactt	aggatatacc	139800
taagagaaat	gaactttgaa	aatgtgaaat	gtgaaatgtg	aaagaagcca	gaccccaaag	139860
accacatggt	gtctgattcc	atztatatga	aataaatgtt	cagaataagc	aaatctatag	139920
aagttggtct	ttgaggagaa	acaaagaatg	agcatgaatg	gggaatgaga	aagggtttat	139980
tttgggggca	ataaaaatgt	tctaaatgga	tttcgtgatg	attgtgcaag	tctgaatata	140040
ccaaaaacta	ttgaattgtg	cattttttaaa	ttttatttta	ttgagacgga	gtcttactct	140100
gtcaccaggg	ctagagtgc	atggcaagat	ctcggtcac	tgcaacctct	gcctcctggg	140160
ttcaagcaat	tctccacact	cagcctcctg	agtacctggg	attacaggca	catgctatca	140220
tgccagcta	atttttgtat	ttttgtagag	atggggtttc	actatgttag	ccaggctggt	140280
cttgaactcc	tgacctcagg	tagtccacct	ccctcagcct	cctaaagtgc	tgggattaca	140340
ggcgtgagcc	actacgcctg	gcctgagttg	tgcacttaaa	tgggtacatt	ttatgggtgtg	140400
tgaatttgtt	ctcaataagg	cttttttttt	tttttttttt	tgagacggag	tctccctctg	140460
ccaccagggc	cggagtgcag	tggcgcgatc	tgggtcact	gcaagctccg	cctcccaggt	140520
tcatgccatt	ctccggcctc	agcctcccga	gtagctggga	ctacaggcgc	ctgccaccac	140580
gcccggctaa	ttttttatat	tttttagtac	agacgggggt	tcaccgtgtt	agccaggatg	140640
gtctcgatct	cctgaccttg	tgatccgcct	gcctcagcct	cccaatcaat	aaggctattt	140700
ttaaaagttt	gctggtatag	agccattgca	atgtcttatt	aatcacatgc	atgtctcatc	140760
tattccttga	ttcacaaaag	atztatttct	tgatttctctg	gattttacaga	cccagtctag	140820
tccagagtgt	caatgaggag	caatttcagc	tgacaaaaac	tcatatttgt	atacaagata	140880
aacaaatagt	tgcggggcac	ggtggctcac	gcctgtaatc	ccaacatttt	gggaggctga	140940
ggcaggcgga	ttgcctgagg	tcaagagttt	gagaccagtc	tagctaacat	grtgaaaacc	141000
cgtctctact	aaaaatacaa	aaaaaaaaaa	tagccgggcg	tgggtggcgtg	cgctgtaat	141060
cccagctact	tgggaggctg	aggcagggga	attgcttgaa	ccagggaggt	gggggttgca	141120
ttgagccgag	atcgcgccac	tgcactccag	cctgggcgac	agagagagac	tccatctcaa	141180
aaacaaacaa	aaccaaatag	tgtggtagtc	attggtgtct	cttctgaatt	tgttctgat	141240
tgttacctca	taaatagatc	attaaaatgt	tttaatctga	agaaatggta	aagattatat	141300
atggttgtac	ttccatatgg	tttaacttga	agggttctctg	tggatgatgg	ctgcattcct	141360
gaatagtcaa	ttctttgtat	tcacagtagt	tatggctata	aagttgtcga	gaacattgaa	141420
ttagcaaaaa	ccgaaccatg	ggtcctggga	gaaatacagg	gttaggttcc	tgtgaacctc	141480
tggtaaacac	ttttgtcaac	tgatcggtat	gtaactttgt	tttatgtgtg	tttctgttca	141540
aagacacctt	atttaatatg	tatttcttaa	aaataatctg	cagtattttac	aataaaaattt	141600
caatgacagt	agtttggtgt	aatgtactct	agtgtactga	gattgcacta	cttttttttt	141660
ttgagttagt	cttgcccttt	tgtctaggct	ggagtgcatt	ggcatggtct	tgggtcactg	141720
ccacctccga	ccccagggtt	caaacgattt	tctgttttca	gcctcctgag	tmgtgggat	141780
tacaggcgcc	caccaccaca	cccagcta	ttttctattt	ttagtagaga	cagggtttca	141840
ccatgttggc	caggatggtc	ttgaactcct	gaccttgtga	tccgccacc	tcagcctccc	141900
aaagtgtcgg	gattacaagt	gtgagccacc	gcgtccagcc	tgtacaacct	tttcattggc	141960
acacacagag	tacacacata	tagttcccat	atacagtcaa	cagtataaca	tactgtacag	142020
ttcccacagt	aaacacatac	actactttgc	acacatactg	tataccctac	agtacagcaa	142080
tacaaataaa	gggaaaaagt	tcaaagatgg	agcaccctaa	gttttataaa	aatatcaact	142140
aaaatcttac	ggttgatgga	gctgcacaat	gtggttaa	ctctcgacct	tggcttgccc	142200
cacagaaacc	aggggagggg	tgagtgaaat	ttattctgca	gaagaggaag	aggggtggcag	142260
gtcaacctct	ggcatttcta	ccttaggagt	ctggctcttg	acacttggtg	aaggagtggg	142320
caatcttccc	tccaaaactg	gcttgagaaa	ttgcattagc	cttgctgccc	tggcttttct	142380

tgggtcttcc	ccagacaaac	cgctctggtg	aaagtatctt	caccattcca	catcttcagt	145680
tgaagacta	gacaaacaag	aaacaaacag	actaacaaaa	cacaaccag	gagtcgtccc	145740
tattctcttt	gttttacttt	gttctgttct	gttttattta	aagacagggt	cttgctgttg	145800
tctaggctgg	agtgcagtga	tgcgatcttg	gctcactgca	acctcagact	cctgggctca	145860
agcgatcctc	ccgtctcagc	ctctggagta	gctgggactg	cagggtgcagg	ctgccacgcc	145920
cgctaatttt	ttaaattttt	tttttttttt	ttttttttag	aaatggcatc	ttgctatggt	145980
gccaggctg	gtctcgaact	cgtdgggtcca	agtgatectc	ccacctcagc	cacccaaagt	146040
gctgggatta	caggcatgag	ccaccgcgcc	ccggctagt	aagtatttct	aaaaggcacg	146100
ttgaaaacta	gccattccat	tcctggcgcg	gtggctcatg	cttgtaatcc	caacactttg	146160
ggaggctgag	gtgggtggat	cacaaggctc	ggagatcgag	accatcctgg	acaacatggg	146220
aaaacccgt	ctgtactaaa	aacacaaaaa	ttagctgggc	atggtggcac	gcgcctgtag	146280
tcacagctcc	tcaggaggct	ggagcaggag	aatcgcttga	actcgggagg	tggagggtgc	146340
agtgaaccga	gatcacacca	ctgcactcca	gcctgggtga	cagagcgaga	ctccgtctca	146400
aaaaaaaaaa	aaaaaaagtt	agccagtccc	atcacctcca	tcctattttt	atttaatat	146460
cctcaggaga	aacttctttc	caccttttga	atttggtatt	atatttctgt	tgtctattga	146520
tttaacccat	gtatagtagg	tatcattttt	agtagccctt	gacctccttc	ccctcatccc	146580
aaacacacac	acaaacactt	ccaccttcgg	ggcctcccca	actccgtagt	ctgccgttga	146640
acctgtgtcc	agtttttagtt	agatcagtat	tcagtgtttt	tttttctttc	gagacagtgt	146700
ctcgctctgt	ggctcaggct	ggagtgcagt	ggcacagtct	ctgcttaatg	cggcctctgc	146760
cttcccggtt	caagcagttc	tgcctcagcc	tcctaagtag	gtgggattac	aggcgccgc	146820
cagcacaccc	gatcgatttt	cttttctttt	cttttttttt	tttttttttt	ttttgagaca	146880
agagttttgc	tctgtctccc	aggctggagt	gcagtagcgg	gatctcgtct	cactgcaagc	146940
tctgcctccc	gggttcacgc	cattctcttg	cctcagcctc	ctgagtagct	gggactacag	147000
gtccccgcca	gcacaccgga	atgatttttt	tgtattttta	gtagagacga	agttacacca	147060
tgttgccag	gcttgtttca	aactcctgac	ctcaaagtgt	ctgcccgcct	cggcctccct	147120
gagtgtctgg	attacaggcg	tgagccaccg	tgccaggccc	agtgtttttt	ttttctaatg	147180
acagtgtgaa	taaacatcat	gttgacagct	gaaccgtatg	ttatacagat	tacttttctt	147240
gcacttcttg	ttttctctgg	tgctaataat	tgccattttt	tgttgctact	tagctgtcta	147300
tgtacttaac	tgctgtaaac	caaaaaataa	attctaaggc	gcccccaacc	atctgaatgg	147360
acttctctct	tagccagggc	tctttaacat	ttaacctgag	agactgtttt	gggcccattgc	147420
atgggaagt	ggggctgaac	ctgcctcatt	gtatgtctct	gacattaaca	tcgatgcaga	147480
ctttaagtct	gataataaac	attttgcaac	ctattctctc	tgaagcctgt	ctgctaaaag	147540
cttcatctgt	atgataaaac	tgtgttctca	gccgagcagt	ggctcgagcc	tataatccta	147600
tcacttargg	aggcagaggc	tgggtggatca	tttgagggtca	ggagtccaag	accagcctgg	147660
ccaacgtggt	gtaaccccat	ctctactgaa	aatatgaaaa	ttagccaagt	gtgggtgacgg	147720
gcgcctgtaa	tcctatctac	tggggaggct	gaggcacgag	atctcttgaa	cccaagaggt	147780
gggggttgca	gtgagtgaag	atcatgcttc	tgcactccag	cctgggtaac	agagcaagac	147840
tcattttaaa	aaaaaaaaag	ggccagggtgc	ggtggctcac	acctttaatc	ccagcacttt	147900
gggaggctgt	ggtggggcga	ttgcctgagg	tcaggagttg	gagaccagtc	tggccaacat	147960
agtgaaccc	tgtctgtact	aaagatataa	aaaaatagct	gggtgtgggtg	gcgtgtgcct	148020
gtaatccag	ctactccgga	ggctggggca	ggggaattgc	ttgaaccagg	ggcgtggggg	148080
tgcagtgage	tgagggttgcg	ccactgcact	ccagcctggg	caacagagtg	agactccatc	148140
tcgaaaaaac	aaacaaacaa	acaaaaaaaa	cctctggtct	ccacaacctc	tatcttaacc	148200
cagacattcc	tttctgttta	grcaaactca	acctgttgcc	aacaagaaaa	tttttaaatt	148260
tacctgtagc	ctggaagcac	tcacaccccg	agttgtctctg	gtcttaattg	accaaaccag	148320
tatatttctc	aaatgtattt	gattgatgtc	tcatgcctcc	ctaaaatata	taaaaccaag	148380
ctgcacccca	accacottgg	gcgcgtgctc	tcaggacctc	ttgagggtcg	catcatgggc	148440
tgtggttact	catatgtggc	acagaataat	tctcttcaaa	tacttgacaa	gagtttgact	148500
ctttctgtcg	acactgctaa	tttgactcta	aactttttaga	attgtataaa	tcatctccca	148560
aaatattttac	attcattaga	ttttcacttt	aatcttctga	aacagtcttt	gccttctggc	148620
ctccactttg	tcttggttac	cttctatgag	tactccagtg	tatttactta	tttattttaga	148680
gatagagkct	ygctcttgwy	sccecargctg	gagtgcagta	scgtgatctt	ggctsactgc	148740
aacctmcacc	tccscggttt	gagcgattct	cttgccctcag	cctcccaagt	agcttgggata	148800
cagggtgccc	ccaccacacc	cagctaattt	ttgtattttt	agtagagacg	gggtttcacc	148860

atgttgccca	ggctgatatt	gaactcctga	cctcaggtag	tccgccctcc	tcagcctccc	148920
aaactgctgg	gattacaggc	gtgagccacc	acgcctgggc	aggaacattc	ttatgagacc	148980
attgaatgca	ctaaaagtaa	ccatgcacca	ctcaggcgta	attgattgtc	tgtttgaaatt	149040
ctaggttgga	aataattttc	catcagaatt	ttaaagtgtt	acttcattac	tttctagatt	149100
cccatgttgc	tattaataaa	tattttgtta	ctgatttctg	ctcaatgtat	aagatctgtt	149160
tgtctccgga	agctggtaga	atattctctt	tgttcccatk	ttcttttttc	ttttttttcg	149220
agacagactc	tgtctctctt	gtccaggcta	gagtgcagtg	gtggcatcta	ggctccctgc	149280
aacctccact	tcccggtttt	aagcaactct	cccacctcag	cctccggagt	ggctggggact	149340
acaggttcat	gccaccacgc	ctggctaatt	tttgtatttt	tatagtagag	acgggatttc	149400
accatgttgg	ccagcctggg	ctcgaaactcc	tgacctcatg	atctgcctgc	ctcggcctcc	149460
caaagtgtct	ggattacagg	cgtgagcctc	tacgcctggc	ctgttcccat	tttctaatat	149520
gtcaccatga	tatatcttgg	tatgagtgtt	ttcagccatt	ttgctgagcc	ttctgagaac	149580
tttttttttc	tataattttt	tttctttttc	cttttctttt	ctttctctct	tcactctttc	149640
ttttcctttc	cttctttttc	tttttttctt	tctctccctc	tccgcccttc	tttttctctc	149700
tctctattta	tttatttttg	agacggagta	tagctctgtc	accagggtcg	gagtgcagtg	149760
gcgcaatctc	ggcccaactgc	aacttccgcc	ttccgggttc	aagcgattcc	cctgcctcag	149820
cctctcgagt	agctgggata	caggcgctg	ccaccacatc	tggctaattt	ggtctatgta	149880
tcttaataga	ttacggggct	tcacttgttg	gtcaagatgg	tctcgatctc	ctgaccttgt	149940
gatccacttg	cttcggcctc	ccaaagtgtc	gggattacag	gtgtgagcca	ctgagcccag	150000
ccaactttga	atatttttat	agcattatgt	tcttcttttg	taaatgcagt	atcagcattt	150060
aacatacaat	ttttaactta	catacaataa	aatttactgt	tttcaatgta	ctgttctctg	150120
atttttgtta	aatgcctagc	gttgtgtaac	ctccaccaa	atgaacagtt	tcaagccgtc	150180
aacctcttta	aaaaaaaaaa	aaaacaaatt	tccctgcta	ctctttgtag	tcaaacact	150240
ctccctcacc	cccggcccca	gccattagca	acctctgggc	tgttttccat	ctttatagtt	150300
ttgccttttt	cagaatataa	tctaaatgga	accataacag	taggcagctt	tttgtatctg	150360
gcttcttcg	cttagcataa	tgcatthtag	attcacctgt	gttgttgac	atgtcagtaa	150420
ttagctcctt	ctgttgttgg	gtggtagtcc	attatatgga	tataccacag	tttattctgc	150480
atgtgaaaga	cactgggttg	tttccaattt	tttatgatta	caaataaagc	tgtttataaa	150540
tatttacaca	cagctttttc	tgtgaacatg	ggttttcatt	tcacttgagt	caatatctag	150600
gagtgggatt	actgggtttt	gtagtatgtg	tatgtttaac	tttacaagaa	gctgctaaat	150660
ttttttgtgg	cttgattgct	gttggttaaca	agtttgagag	ttcragttgc	tcttcatcct	150720
caacaacact	tgggggtggtc	agattttttt	gtttttgttt	ttgttttaaa	tattagctaa	150780
tttggggccg	agcgcggtgg	ctcatgcctg	tawtcccacc	actttgggag	gccaaaggcag	150840
gcagatcaca	aggtcaggag	tccaagacca	gcctggccaa	tatgttgaaa	ccctgtctct	150900
actaaaaaat	acaaagaatt	agccgggcat	ggtggtgcat	gcctgtagtc	ccagctactt	150960
gggaggatga	ggaaggagaa	tcgcttgaac	ccagggrgstt	ggagtgttgc	rgtgagccgg	151020
aattgtgccca	ctgcactcca	gcctgggcaa	gagagcgaga	cactgtctcg	aaaaaaaaaag	151080
aaaaaaaaatt	agctaatttc	tcttttagtt	tgcatthccc	taaggatgtt	gatgctctty	151140
tcatgttctt	gtttgccatc	atthttatctt	ctttgggtgtg	tcttttgaat	tctttgtcca	151200
tttaaaacat	tgggttgttt	tcagtttttg	aattatata	tctggatata	gtcctttgtc	151260
agatatttgt	tttgtttttt	tttttttgag	acagtctcgc	tgtccccccag	gctggagtac	151320
agtggcataa	tcttggtctca	ccacaacctc	cactctccgg	gttcaaggca	ttctcctgcc	151380
tcagcctccc	aagtagstgg	gattacaagc	actcgccacc	acaccagct	aatttttgta	151440
ttttcagtag	agatgggggt	tcaccatgtt	tgccaggctg	gtctccaact	cccaacctca	151500
agtgatccac	ccaccttggc	ctcccaaagt	gctgggagta	caggcctgag	tcaccacccc	151560
cggctccttt	gtcacatact	tgttttgcag	tgttttgtct	ctgtgcttgt	cttttcatte	151620
tcttaatagt	gtttgcacag	caattttttt	tggtgttttt	ttgaaacaga	gtcttgctct	151680
gttgccccag	gctggaatgc	agtggcacga	tttcacctca	ctgcaacctt	tacttctctg	151740
gctcaaacaa	ttttctctgc	tcagcctctg	tagtaactgg	gactacaggc	atgagacacc	151800
atgcctggcc	tgcagagtaa	aatttttaaa	cttgrataaa	atccagtttg	tcaaattttt	151860
ctattatggg	ttgtgctttt	ggaatcata	ctaagaactc	ttttttgcct	aactcgggat	151920
tacaaagata	gtgtattttc	ctatgtaaaa	gttacatagt	tttactttgt	tgttgtttty	151980
gtytttttga	gatrthagttt	cgctcttgtt	gccaggctg	gagygcaatr	kcrtgatcty	152040
ggctcactgc	aacctcygcy	tctgrgttc	aagggttct	cctgcctcag	cctcctgagg	152100

tartctgggat	tgcagggcatg	tggccaccacg	cctggctaact	tttgtattttt	tagtagagac	152160
aggggtttct	ccatgtttggt	caggctgggtc	ttgaactccc	aacctcaggt	gatccgcccc	152220
cctcggcctc	ccaaagtgtt	gggattatag	gcataagcca	cagtgcctgg	cctttacttt	152280
tktttttttt	tktttttttt	tttttgagac	agagtgttgc	tctgttgccc	aggcttgagt	152340
gcagtggcat	gatctcagct	cgctgcaacc	kccgcctccc	aggttcaagc	gattctcctg	152400
cctcagcttc	ccgagtagtt	gggattatag	gcgcctgcc	ccacgcctgg	ctaatttttg	152460
tatttttagt	ggagatgggg	tttcaccatg	ttggccaggc	tggctctgaa	ctcctgacct	152520
ctcaggtaat	ccgcccaccc	cggcctccca	aagtgctggg	attacaggag	tgagccaccg	152580
tgcccggcca	gcattttactt	ttttawaaaa	tcagttatca	ttattttattt	tcagtttaatt	152640
tttgcataag	atatgagtta	tggattctttt	tttttttttt	cTTTTgcatac	tggatgtcca	152700
gtattttcat	tatttgttga	aaagattatt	ctttctccat	cgaattccct	ttgtatttct	152760
gtaaagtga	ctggccatac	ttgtataggt	ttattttctgg	gcctctgttt	ccacagtttc	152820
atttactgtt	tttgatttaa	gtgttgaaat	caggtagaga	gagtactcca	actttttattc	152880
ttgtttcaaa	atagttttgg	ctgctcttgt	tcctttgcct	ttccatatag	tttttttttt	152940
tttttttttt	tttgaggggg	atggagtgtc	actctgttgc	ccaggctgga	gtgcagtggc	153000
gcgatctctg	ctcactgcaa	cctctacctc	ccaggttcaa	gtgattctcc	ttcctcagcc	153060
tcctgtgtag	ctggtactac	agacgtgtgc	caccaggcct	ggccaccata	tgcattgtaa	153120
aatcactttg	ttcatctctc	gaaaaagtat	cctactttga	ttttgtttgg	aattgcattg	153180
aatctgtaga	ccgttttggg	aagaattgac	aatttaacga	tcttatattt	tagtctatga	153240
atacagtctg	tatctttttt	ttttagggtg	aaaaagtttt	tattttcta	tgtttgtaac	153300
tagtatatgg	aaatacaata	caggttctgc	atactaacct	tgtattctac	aaccttgcta	153360
aactcattta	ccagttctgg	aggtttttgt	agattctgtg	ggattttcca	cacagacagt	153420
gatgtcaaat	gtgaatagaa	acagttttat	ttcttccttt	ccaatatgtt	taccttttat	153480
atttattttg	cttgccctgt	tgtactttat	acttcagta	tgatgttgaa	tgctagtgg	153540
gagaggggac	atctttgcct	ttttcccaat	cttttttttt	ttttttttga	gacggagtct	153600
ccctctgttr	cccaggctgg	agtgtgcagt	ggcacgatct	tgggtcactg	tgacctctgc	153660
ctcctgggtt	cacgccattc	ttctgcctca	gcctcccag	tagttgggac	tacaggcgcc	153720
gccaccacg	cccgcctaagt	ttttgtattt	ttagtagaga	ctgggtttca	ccgtgttagc	153780
cagaatggtc	ttgatctcct	gacctcgtga	tcgcgccgcc	tcagcctccc	aaagtgtctg	153840
gattataggc	gtgagccacc	gcgtctggca	gccttttttc	caatcttaag	ggggaaaaga	153900
aactagtgtt	ttaccacttg	atgtgggtgt	agctataggt	ttttcacaga	tgccgtgtgt	153960
gtctgtctgc	ctgccgttta	aaccttttag	cattgagtaa	cttattacca	actcagtcac	154020
ctaacactgt	acgtgcta	tgtgttctgc	attttactga	tgaaaaaact	gaggcacaaa	154080
gtctaagcaa	atggctgaaa	ttcatccagt	tagatagtaa	cttagctgga	atgttaacct	154140
tggcagtctg	catatattgt	ccctcagaga	ttccttttat	catgttagat	aagtccccct	154200
ctgttcctaa	ttttcagaga	gggtgaatttt	gtcaa	atgct	ctattgattt	154260
aattacatgt	gggtttttctt	tttttttgtc	tgtta	aatatg	gtgtttgatt	154320
ttcaaatttc	tgacagactt	atttctggga	gacagctcac	ttggtcagga	tatat	154380
cattgctgaa	tttggtttgc	taatatagtc	agccttctgt	atctgtgggt	tcacagcca	154440
tggattcaac	caactgcaga	tagaaaatat	ttggaaaaag	gctgggtgca	gttgctcacg	154500
cctgtaatcc	cagcactttg	ggaggccaag	gagtgcagat	cacttgaagc	caggagttaa	154560
agaccaacct	gggaggcga	ggtgggcgga	tctcaagggtc	aggagatcga	gacctcctg	154620
gctaacgtgg	tgaacccccg	tctcaactaa	aaatacaaaa	aattagccgg	gcgaggtggc	154680
gggtgcctgt	agtcccagct	gctcggggagg	ctgaagcagg	agaatggcgt	gaacccaaga	154740
ggcggagggt	gcagtgagcg	gagatcgcac	cactgctctc	cagcctgggc	gacagagtga	154800
gactcctgt	caaaaaacaa	aaaaaaacca	acctcgccaa	cgtggtgaaa	cccagtcct	154860
actaaaaata	caaaaattag	tcacagctac	tgggctgagg	cacgagaatc	gcttgattac	154920
ccagactgga	gtgcagtggc	gcaatcagct	cactgcagcc	taaaactcct	gggctcaagt	154980
gatcctccca	cctcagcctc	ccaggtaacct	gggactacag	atgcacacca	tcatgcccat	155040
ctaattttttt	tttttttttt	tttgagacgg	aagtcttgct	ctgtcaccca	ggctggcgtg	155100
cagtggcacc	atctcgggtc	actgccagcc	ctgcctcccg	ggttcacgcc	attctcctgc	155160
ctcagcctcc	cgagtagctg	ggactacagg	caccaccac	aaggcccgcc	taattttttt	155220
gtatttttag	tagagatggg	gtttcacctg	gttagccagg	atggctcga	tctcctgacc	155280
ttgtgatccg	cccacctcgg	cctcccaaa	tgctgggatt	acaggcgtga	gccactgcgc	155340

ccggccta	at	tttttatt	ttt	ttgtagag	at	gaggtctct	c	accatgttg	c	ccaagctgg	t	155400
ctcaaac	acc	tggctttg	ag	caatcttc	ct	gccttagc	ct	cccaaagt	gc	tggcattac	a	155460
gggtgtga	gaa	aacctgg	att	tgtttgtt	tg	tttttaaa	ag	aaacagg	ggt	ttgctccg	tc	155520
accagggt	ctg	gagtgca	gtg	gcaagatc	ac	agctcagt	ga	cacgttga	ac	tcctggcc	tc	155580
aagcgatc	cct	tctgcctt	aa	cctctaaa	aa	cktgtttt	tt	ttttgatc	ac	agtttta	aga	155640
ctctcta	aga	ggctggat	gt	gggtggct	ctg	acctgtaa	tc	ccagcact	ttt	gggaggct	ga	155700
agtgggtg	ga	tcacttg	agg	ccaggagt	tc	aagactag	tc	tgacgaac	at	ggtgaaac	ccc	155760
cgtctcta	acc	aaaaatg	caa	aaatcag	ctg	ggagtgg	tgg	tgcatacct	g	tagtctca	gg	155820
tattcgtg	ag	gctgagg	cag	gagaatca	ct	tgaacccg	gg	aggatcgt	ag	tgagcca	aga	155880
tcattgcc	act	gcactcta	gc	ttgggca	aca	gagcgaga	ct	ctgtctca	aaa	aaaaaaaa	a	155940
aaaaaaaa	aga	ggccatac	gc	agtggctc	ac	gcctgtaa	tc	ccagcact	ttt	gggaggct	ga	156000
ggcagggt	gga	tcacgagg	tc	aagagatc	ga	gaccatcc	tg	gcaacacg	gt	gaaaccct	gt	156060
ctctacta	aaa	aatacaaaa	a	attagccg	gg	tgtgggtg	gca	agcgccgt	ga	atcccag	cta	156120
cttggggag	gc	tgaggcag	ga	gaatagct	tg	aacacggg	ag	gcagagg	ttg	cggtgag	ccg	156180
agatcgca	cacc	attgcact	cc	agcctggg	ca	aaaagagc	ga	aactccgt	ct	caaaaaaaa	ag	156240
agagagag	ag	agaaagt	tatt	tgggaaa	aca	aatgggtg	gt	tatgtctg	ta	ctgaatgt	gt	156300
acaaacttt	t	ttccttgt	ca	ttatttc	cta	aacaatac	ag	tataaca	act	attcatat	ag	156360
cacttat	att	gggtgttg	ta	agtaatct	tag	agatgact	ta	aagtatgc	aa	gaggatgt	ac	156420
atagttta	ta	tgtaaat	atg	acatcatt	ttt	atatcagg	ga	cttgaaca	tc	tgtgggtt	ttt	156480
gggtgtgg	gg	gggggag	atc	ttggaacc	ac	ttcccaga	aa	atatggag	ggg	acagccgt	at	156540
tttgtcg	agg	atttttgc	at	ctgtgttt	at	gagggat	atc	gatctgt	agt	tttttggt	aa	156600
tttccttgt	tg	tatttttag	t	atcagata	aat	gcaggcct	ca	taaaatg	agg	aaatacag	gc	156660
tttgtttct	t	ccagggtg	at	tttttatt	ca	ccttgtat	gc	ttgtttag	ggg	ttttatt	atg	156720
taagaggct	t	tctcggat	tt	atactgat	tc	ttagtgtg	tt	tggtccat	at	ttatgctt	gg	156780
ggcactaga	aa	aggttatt	gg	aagctctg	ag	tctttgg	aca	agatttgt	tc	cttttgtg	cc	156840
tacattgtc	t	acagggat	gt	tattctga	tt	cttactat	ct	ttttttcc	ct	catagtaa	act	156900
gcatgga	att	tgatattg	ag	gttttg	gggg	gttttgt	atg	tataattt	taa	aattttct	ta	156960
tctcttact	g	atgaagg	act	tttccat	agt	ttagctaa	ag	atggagt	cc	tgtcccac	ag	157020
ccatgata	at	ttaggctc	ac	agacaatt	tg	aagcttg	agt	aaatcagg	ggt	tttattgg	gt	157080
gaaaaggga	aa	aaaagggg	ga	acagggac	tc	tgcaagg	cca	gagttcct	gc	tgtgtgt	ctt	157140
cctgccttg	c	agctttga	at	cccagg	ttgc	acacagga	ag	aagagggg	ccc	gggctcct	cc	157200
ccgctgcaa	aa	cagcagga	ac	ctctgtg	gct	ccacccag	t	gcgcattg	cc	cctagtct	gc	157260
tggctggcc	g	gagattct	cc	agggac	cccc	tcccacat	gg	ctgtctca	tt	attaatga	ga	157320
ttaagcatc	t	ttttacat	gt	ttaagat	cca	gagtcatt	gtg	catctact	tg	tctgaact	gt	157380
ctacaac	att	tgccgtgt	ttt	tatgatg	aaa	acaggcaa	aaa	gttttcaa	aaa	gtagtgc	aga	157440
gctttat	aga	aaattaga	aaa	atgcag	acag	ttaaatt	taa	aatcact	taa	aaataaaa	aaa	157500
aatagttg	aa	ctacctag	ag	actatcat	gt	caatcc	ttta	gtgaaa	actc	actctgat	ttt	157560
ttttctac	ac	ctaggtat	ag	atatttgt	at	tttttc	ctca	gcctgca	att	gtattt	actc	157620
acatcgctt	t	tcaacct	act	ctttttag	tg	gatgatt	ttc	accatt	ttat	tttagtaa	at	157680
gttttat	ctt	atatatag	at	catactca	aaa	ttttccaa	aaa	tggttat	agc	ttgtgtgt	cc	157740
aaatcac	agt	tgagttca	at	actacaca	tata	ttatccag	tt	gttccat	cc	tgagtct	ctt	157800
ttaatcta	gc	acactccc	ct	ttctata	aatg	gcatagat	ag	ctgaaa	agat	caaagcc	ata	157860
catcctgc	ag	catgtctc	ac	ctcttg	gatt	tgtctgg	tta	ttccctc	atg	gcgttgt	ttt	157920
agttccctt	tg	ttccttc	ag	tctctgt	aaa	tcagaagt	ta	gatctaaa	atg	cttgatgg	gt	157980
tccaatg	aaa	tactttg	gcc	agaatgc	att	atcaatg	gac	atctgat	gtt	tgaatag	cat	158040
cagaagac	ac	aatatctg	gt	tgataact	at	agtgg	tgact	attaaaa	tca	gggtgata	aac	158100
agtctgat	cc	ctctcttg	ta	tacttg	tttt	ttcctttg	ga	aactttta	ag	aaactgg	aaa	158160
agtattccc	t	gtggcag	taa	taactta	atg	gttaaa	actt	aaattg	cttt	ttaat	ttttt	158220
tttttttt	t	tttttttt	ga	gatgaag	gtc	tcactgt	gtt	gttcagt	ctg	gactcaa	att	158280
cctgggct	ca	agagagct	tc	tgaggtag	ct	gagactac	ct	gttacct	gaa	aggggat	cca	158340
gaccagac	c	ccaagag	agg	gttcttg	gat	ctcgaaca	ag	aaagaatt	tcg	aggggaa	atcc	158400
atacagaaa	a	gtaaaa	acaa	gtttatta	ag	aaagtag	agg	aataaaga	aat	gtctact	cca	158460
tagacag	agc	agaccca	agg	gctgctg	gtt	gccatt	tttt	atgggt	tattt	cttgatt	tata	158520
tgcta	aa	caaa	gggg	gtgatt	at	tcattgc	ct	ccccttt	tca	gaccatt	tag	158580

tcttcaacct	gcaggtgctc	taccgctgc	tcagcgaccc	cgcgctcaac	ctacgcatcg	780
tgcacctggt	gcgcgacccg	cgggcccgtgc	tgcgctccc	ggagcagaca	gccaaggctc	840
tggcgcgta	caacggcatc	gtgctgggca	ccaacggcac	gtgggtggag	gccgaccccg	900
gctgcgcgt	ggtgcgcgag	gtgtgccgta	gccacgtacg	catcgccgag	gccgccacac	960
tcaagccgcc	accctttctg	cgcggccgct	accgcctggt	gcgcttcgag	gacctggcgc	1020
gggagccgct	ggcagaaatc	cgtgcgctct	acgccttcac	tgggctcagt	ctcacgccac	1080
agctcgaggc	ctggatccat	aacatcaccc	acggatctgg	acctggtgcg	cgccgcgaag	1140
ccttcaagac	ttcgtccagg	aatgcgctca	acgtctccca	ggcctggcgc	catgcgctgc	1200
cctttgccaa	gatccgccgc	gtgcaggaac	tgtgcgctgg	tgcgctgcag	ctgctgggct	1260
accggcctgt	gtactctgag	gacgagcagc	gcaacctcgc	ccttgatctg	gtgctggcac	1320
gaggcctgaa	cggcttcact	tgggcatcat	ccaccgcctc	gcacccccga	aattagtggg	1380
ggccacagtt	gtagcaggcg	ctaggcccgg	gaggagagt	catggtgcag	agggggctgg	1440
ggcgcacgga	gaagcaggtc	cctatatatga	ccaaggagtt	tgtggtacga	cccctcccc	1500
tccccaaagta	ggcaaggact	gcacgtttct	ttctctcttg	attcttggtt	ttcctttgag	1560
tcctctggag	ctgccttctc	atcagggtga	ctcttcattg	aaagcaactc	ttgcccctgc	1620
ctcctctggg	cacagggtgt	gcgttcagat	gacttggtc	ctactcaagg	gctttcttcc	1680
ccctggagaa	gaga					1694

<210> 13

<211> 395

<212> PRT

<213> homo sapiens

<400> 13

Met	Trp	Leu	Pro	Arg	Val	Ser	Ser	Thr	Ala	Val	Thr	Ala	Leu	Leu	Leu
1				5					10					15	
Ala	Gln	Thr	Phe	Leu	Leu	Leu	Phe	Leu	Val	Ser	Arg	Pro	Gly	Pro	Ser
			20					25					30		
Ser	Pro	Ala	Gly	Gly	Glu	Ala	Arg	Val	His	Val	Leu	Val	Leu	Ser	Ser
		35					40					45			
Trp	Arg	Ser	Gly	Ser	Ser	Phe	Val	Gly	Gln	Leu	Phe	Asn	Gln	His	Pro
	50					55					60				
Asp	Val	Phe	Tyr	Leu	Met	Glu	Pro	Ala	Trp	His	Val	Trp	Thr	Thr	Leu
65					70					75					80
Ser	Gln	Gly	Ser	Ala	Ala	Thr	Leu	His	Met	Ala	Val	Arg	Asp	Leu	Val
				85					90					95	
Arg	Ser	Val	Phe	Leu	Cys	Asp	Met	Asp	Val	Phe	Asp	Ala	Tyr	Leu	Pro
			100					105					110		
Trp	Arg	Arg	Asn	Leu	Ser	Asp	Leu	Phe	Gln	Trp	Ala	Val	Ser	Arg	Ala
			115				120					125			
Leu	Cys	Ser	Pro	Pro	Ala	Cys	Ser	Ala	Phe	Pro	Arg	Gly	Ala	Ile	Ser
	130					135					140				
Ser	Glu	Ala	Val	Cys	Lys	Pro	Leu	Cys	Ala	Arg	Gln	Ser	Phe	Thr	Leu
145					150					155					160
Ala	Arg	Glu	Ala	Cys	Arg	Ser	Tyr	Ser	His	Val	Val	Leu	Lys	Glu	Val
				165					170					175	
Arg	Phe	Phe	Asn	Leu	Gln	Val	Leu	Tyr	Pro	Leu	Leu	Ser	Asp	Pro	Ala
			180					185					190		
Leu	Asn	Leu	Arg	Ile	Val	His	Leu	Val	Arg	Asp	Pro	Arg	Ala	Val	Leu
	195						200					205			
Arg	Ser	Arg	Glu	Gln	Thr	Ala	Lys	Ala	Leu	Ala	Arg	Asp	Asn	Gly	Ile
	210					215					220				
Val	Leu	Gly	Thr	Asn	Gly	Thr	Trp	Val	Glu	Ala	Asp	Pro	Gly	Leu	Arg
225				230					235					240	

Val Val Arg Glu Val Cys Arg Ser His Val Arg Ile Ala Glu Ala Ala
245 250 255
Thr Leu Lys Pro Pro Phe Leu Arg Gly Arg Tyr Arg Leu Val Arg
260 265 270
Phe Glu Asp Leu Ala Arg Glu Pro Leu Ala Glu Ile Arg Ala Leu Tyr
275 280 285
Ala Phe Thr Gly Leu Ser Leu Thr Pro Gln Leu Glu Ala Trp Ile His
290 295 300
Asn Ile Thr His Gly Ser Gly Pro Gly Ala Arg Arg Glu Ala Phe Lys
305 310 315 320
Thr Ser Ser Arg Asn Ala Leu Asn Val Ser Gln Ala Trp Arg His Ala
325 330 335
Leu Pro Phe Ala Lys Ile Arg Arg Val Gln Glu Leu Cys Ala Gly Ala
340 345 350
Leu Gln Leu Leu Gly Tyr Arg Pro Val Tyr Ser Glu Asp Glu Gln Arg
355 360 365
Asn Leu Ala Leu Asp Leu Val Leu Pro Arg Gly Leu Asn Gly Phe Thr
370 375 380
Trp Ala Ser Ser Thr Ala Ser His Pro Arg Asn
385 390 395

<210> 14
<211> 4599
<212> DNA
<213> homo sapiens

<400> 14
cacaaatgct catacatgtg tgggtgagctt atcaccagtg atgggttttct gtgctagaaa 60
tgactcttaa tttgaatttt ggagtgtctt ttctcttttt ttacaatgtg tgttccaact 120
ctttgtgtta aatagattta agtaaaggag gtaaagtcta aattcatagt gttttttacc 180
tgtatcactt ccctgtgtat tatggaaaaa ttagagattt taacgttatt caaagtttta 240
ctggaagcaa aactgtgcca gggacagaga tatacaattt aagttttctc tttttggcaa 300
ctgcacttgc ttaaaatgta ctgaatgtca gctggatttc acagcatatc agatttacag 360
tctttgtctt atcaaggcct ttactgtatg ttttatacta accagatggg aaacacattg 420
agcatcatat ctgacatgta tgcctaaggg aggagctccc ccatggatca tggcgttaat 480
gtttacagga catttactat tcttagcatt attgatgttt gctttctcta cttttgagga 540
atctgtgagc aattattccg aatgggcagt ttccacagat gatatagatc agttttaaacc 600
acagaaagtg caagatttca gacccaacca aaagctgaag aaaagtatgc ttcattccaag 660
tttatatttt gatgctggag aaatccaagc aatgagacaa aagtctcgtg caagccattt 720
gcatcttttt agagctatca gaagtgcagt gacagttatg ctgtccaacc caacatacta 780
cctacctcca ccaaagcatg ctgattttgc tgccaagtgg aatgaaattt atggtaacaa 840
tctgcctcct ttagcattgt actgtttggt atgcccagaa gacaaagtgt cctttgaatt 900
tgtcttgga tatatggaca ggatgggttg ctacaaagac tggctagtag agaatgcacc 960
aggagatgag gttccaattg gccattcctt aacagggttt gccactgcct ttgacttttt 1020
atataactta ttagataatc atcgaagaca aaaatacctg gaaaaaatat gggttattac 1080
tgaggaaatg tacgagtatt ccaaggctcg ctcattgggg aaacagcttc tccataacca 1140
ccaagccact aatatgatag cattactcac aggggccttg gtgactggag tagataaagg 1200
atctaaagca aatatatgga aacaggctgt agtggatgtc atggaaaaga caatgtttct 1260
attgaatcat attgttgatg gttctttgga tgaagggtgt gcctatggaa gctacacagc 1320
taaataccgtc acacagtatg tttttctggc ccagcgccat tttaatatca acaacttgga 1380
taataactgg ttaaagatgc acttttggtt ctattatgcc acccttttac ctggcttcca 1440
aagaactgtg ggtatagcag attccaatta taattggttt tatggtccag aaagccagct 1500
agttttcttg gataagttca tcttaaagaa tggagctgga aattggttag ctcagcaaat 1560
tagaaagcac cgacctaaag atggaccgat ggttccttca actgcccacaa ggtggagtag 1620

tcttcacact	gaatacatct	ggatatgacc	ccagctcaca	ccacagccac	ctgctgatta	1680
tggtagtgca	aaaatacaca	cattccctaa	ctgggggtgtg	gttactttatg	gggctggggt	1740
gccaaacaca	cagaccaaca	cctttgtgtc	ttttaaatct	gggaagctgg	ggggacgagc	1800
tgtgtatgac	atagttcatt	ttcagccata	ttcctggatt	gatgggtgga	gaagttttaa	1860
cccaggacat	gagcatccag	atcagaactc	atttactttt	gcccccaatg	gacaagtatt	1920
tgtttctgaa	gctctctatg	gacccaagtt	gagccacctt	aacaatgtat	tgggtgttgc	1980
tccatcaccc	tcaagccagt	gtaataagcc	ctgggaaggt	caactgggag	aatgtgcgca	2040
gtggcttaag	tggactggcg	aggaggttgg	tgatgcagct	ggggaaataa	tactgcctc	2100
tcaacatggg	gaaatggtat	ttgtgagtgg	ggaagccgtg	tctgcttatt	cttcagcaat	2160
gagactgaaa	agtgtatatc	gtgctttgct	tctcttaa	tcccaaactc	tgctagtgt	2220
tgatcatatt	gagaggcaag	aagattcccc	aataaattct	gtcagtgcct	tctttcataa	2280
tttggatatt	gattttaaat	atatcccata	taagtttatg	aatagggtata	atgggtgcat	2340
gatggatgtg	tgggatgcac	attacaaaat	gttttgggtt	gatcatcatg	gcaatagtcc	2400
catggccagt	atacaggaag	cagagcaagc	tgtgaattt	aaaaaacgat	ggactcaatt	2460
tgttaatgtt	acttttcaga	tggaatccac	aatcacaaga	attgcatatg	tcttttatgg	2520
gccatatatc	aatgtctcca	gctgcagatt	tattgatagt	tccaatcctg	gacttcagat	2580
ttctctcaat	gtcaataata	ctgaacatgt	tgtttctatt	gtaactgatt	accataacct	2640
gaagacaaga	ttcaattatc	tgggattcgg	tggccttgcc	agtgtggctg	atcaaggcca	2700
aataaccgga	tttggtttgg	gcaactcaagc	aatagtaaag	cctgtaagac	atgataggat	2760
tattttcccc	tttggattta	aatttaatat	agcagttgga	ttaattttgt	gcattagctt	2820
ggtgatttta	actttccaat	ggcgttttta	cctttctttt	agaaaactaa	tgcgatggat	2880
attaatactt	gttattgcct	tgtggtttat	tgagcttttg	gatgtgtgga	gcaactttag	2940
tcagcccatt	tgtgcaaaat	ggacaaggac	agaggctgag	ggaagcaaga	agtctttgtc	3000
ttctgaaggg	caccacatgg	atcttctctga	tgttgtcatt	acctcacttc	ctgggttcagg	3060
agctgaaatt	ctcaaacaac	tttttttcaa	cagtagtgat	tttctctaca	tcagggttcc	3120
tacagcctac	attgatattc	ctgaaactga	gttggaaatc	gactcatttg	tagatgcttg	3180
tgaatggaag	gtgtcagata	tccgcagtg	gcattttcgt	ttactccgag	gctggttgca	3240
gtcttttagtc	caggacacaa	aattacattt	gcaaaacatc	catctgcattg	aacccaatag	3300
gggtaaactg	gcccaatatt	ttgcaatgaa	taaggacaaa	aaaagaaaat	ttaaaaggag	3360
agagtctttg	ccagaacaaa	gaagtcaaat	gaaaggcgcc	tttgatagag	atgctgaata	3420
tattagggct	ttgaggagac	acctggttta	ctatccaagt	gcacgtcctg	tgtcagttt	3480
aagcagtgga	agctggacgt	taaagcttca	tttttttcag	gaagttttag	gagcttcgat	3540
gagggcattg	tacatagtaa	gagaccctcg	ggcatggatt	tattcaatgt	tgtacaatag	3600
taaaccaagt	ctttattctt	tgaagaatgt	accagagcat	ttagcaaaat	tgtttaaaat	3660
agaggggagt	aaaggcaaat	gtaacttaaa	ttcgggttat	gctttcgagt	atgaaccatt	3720
gaggaaagaa	ttatcaaaat	ccaaatcaaa	tgcagtgtcc	ctcttgctc	acttgtggct	3780
agcaaataca	gcagcagcct	tgagaataaa	tacagatttg	ctgcctacta	gctaccagct	3840
ggtcaagt	gaagatattg	tgcattttcc	tcagaaaact	actgaaagga	tttttgcctt	3900
tcttgggaatt	cctttgtctc	ctgctagttt	aaaccaataa	ttgtttgcca	cctctacaaa	3960
ccttttttac	cttccctatg	aagggggaaat	atcaccaact	aataactaatg	tttggaaaca	4020
gaacttgctt	agagatgaaa	ttaaactaat	tgaaaacatc	tgtctggactc	tgatggatcg	4080
cctaggatat	ccaaagttta	tggactaaat	gctgcaggtc	agcagaaatt	tgcactaata	4140
atacttacca	a'cccactttg	tggatatgaa	tcagaagagt	ttgtttattc	tttagtgtgt	4200
gtgtgtgtgt	gtgcacgcgt	gtatgtgttc	agtgttgttt	gcacagagag	attgttttaa	4260
aaaatggcac	catatttggc	ctagcaggat	ttatttttat	gtcatcacct	cccttgccct	4320
tgtttctgaa	aattttgtct	gctaaaaagt	ttctgtctaca	gagtggtaga	tgaagttata	4380
tcattggggtc	aggggagatg	ggaaaatttt	aagtttttgt	ctaactcccc	ttcatctgta	4440
actgtgctaa	tctatctaga	gacctcaaac	actgctaaag	gccttgcaat	tgtgtcttta	4500
cccacgcac	tcttgctttc	aagaaggact	acaaaagtcc	cttatccttt	tgaagggtc	4560
ttctgacaca	cttatcttgc	acaaaagaaa	agaaaattt			4599

```
<210> 15
<211> 1222
<212> PRT
```


<213> homo sapiens

<400> 15

Met Pro Lys Gly Gly Ala Pro Pro Trp Ile Met Ala Leu Met Phe Thr
1 5 10 15
Gly His Leu Leu Phe Leu Ala Leu Leu Met Phe Ala Phe Ser Thr Phe
20 25 30
Glu Glu Ser Val Ser Asn Tyr Ser Glu Trp Ala Val Phe Thr Asp Asp
35 40 45
Ile Asp Gln Phe Lys Thr Gln Lys Val Gln Asp Phe Arg Pro Asn Gln
50 55 60
Lys Leu Lys Lys Ser Met Leu His Pro Ser Leu Tyr Phe Asp Ala Gly
65 70 75 80
Glu Ile Gln Ala Met Arg Gln Lys Ser Arg Ala Ser His Leu His Leu
85 90 95
Phe Arg Ala Ile Arg Ser Ala Val Thr Val Met Leu Ser Asn Pro Thr
100 105 110
Tyr Tyr Leu Pro Pro Pro Lys His Ala Asp Phe Ala Ala Lys Trp Asn
115 120 125
Glu Ile Tyr Gly Asn Asn Leu Pro Pro Leu Ala Leu Tyr Cys Leu Leu
130 135 140
Cys Pro Glu Asp Lys Val Ala Phe Glu Phe Val Leu Glu Tyr Met Asp
145 150 155 160
Arg Met Val Gly Tyr Lys Asp Trp Leu Val Glu Asn Ala Pro Gly Asp
165 170 175
Glu Val Pro Ile Gly His Ser Leu Thr Gly Phe Ala Thr Ala Phe Asp
180 185 190
Phe Leu Tyr Asn Leu Leu Asp Asn His Arg Arg Gln Lys Tyr Leu Glu
195 200 205
Lys Ile Trp Val Ile Thr Glu Met Tyr Glu Tyr Ser Lys Val Arg
210 215 220
Ser Trp Gly Lys Gln Leu His Asn His Gln Ala Thr Asn Met Ile
225 230 235 240
Ala Leu Leu Thr Gly Ala Leu Val Thr Gly Val Asp Lys Gly Ser Lys
245 250 255
Ala Asn Ile Trp Lys Gln Ala Val Val Asp Val Met Glu Lys Thr Met
260 265 270
Phe Leu Leu Asn His Ile Val Asp Gly Ser Leu Asp Glu Gly Val Ala
275 280 285
Tyr Gly Ser Tyr Thr Ala Lys Ser Val Thr Gln Tyr Val Phe Leu Ala
290 295 300
Gln Arg His Phe Asn Ile Asn Asn Leu Asp Asn Asn Trp Leu Lys Met
305 310 315 320
His Phe Trp Phe Tyr Tyr Ala Thr Leu Leu Pro Gly Phe Gln Arg Thr
325 330 335
Val Gly Ile Ala Asp Ser Asn Tyr Asn Trp Phe Tyr Gly Pro Glu Ser
340 345 350
Gln Leu Val Phe Leu Asp Lys Phe Ile Leu Lys Asn Gly Ala Gly Asn
355 360 365
Trp Leu Ala Gln Gln Ile Arg Lys His Arg Pro Lys Asp Gly Pro Met
370 375 380
Val Pro Ser Thr Ala Gln Arg Trp Ser Thr Leu His Thr Glu Tyr Ile
385 390 395 400
Trp Tyr Asp Pro Gln Leu Thr Pro Gln Pro Pro Ala Asp Tyr Gly Thr

				405				410				415			
Ala	Lys	Ile	His	Thr	Phe	Pro	Asn	Trp	Gly	Val	Val	Thr	Tyr	Gly	Ala
				420				425				430			
Gly	Leu	Pro	Asn	Thr	Gln	Thr	Asn	Thr	Phe	Val	Ser	Phe	Lys	Ser	Gly
				435				440				445			
Lys	Leu	Gly	Gly	Arg	Ala	Val	Tyr	Asp	Ile	Val	His	Phe	Gln	Pro	Tyr
				450				455				460			
Ser	Trp	Ile	Asp	Gly	Trp	Arg	Ser	Phe	Asn	Pro	Gly	His	Glu	His	Pro
465				470				475				480			
Asp	Gln	Asn	Ser	Phe	Thr	Phe	Ala	Pro	Asn	Gly	Gln	Val	Phe	Val	Ser
				485				490				495			
Glu	Ala	Leu	Tyr	Gly	Pro	Lys	Leu	Ser	His	Leu	Asn	Asn	Val	Leu	Val
				500				505				510			
Phe	Ala	Pro	Ser	Pro	Ser	Ser	Gln	Cys	Asn	Lys	Pro	Trp	Glu	Gly	Gln
				515				520				525			
Leu	Gly	Glu	Cys	Ala	Gln	Trp	Leu	Lys	Trp	Thr	Gly	Glu	Glu	Val	Gly
				530				535				540			
Asp	Ala	Ala	Gly	Glu	Ile	Ile	Thr	Ala	Ser	Gln	His	Gly	Glu	Met	Val
545				550				555				560			
Phe	Val	Ser	Gly	Glu	Ala	Val	Ser	Ala	Tyr	Ser	Ser	Ala	Met	Arg	Leu
				565				570				575			
Lys	Ser	Val	Tyr	Arg	Ala	Leu	Leu	Leu	Leu	Asn	Ser	Gln	Thr	Leu	Leu
				580				585				590			
Val	Val	Asp	His	Ile	Glu	Arg	Gln	Glu	Asp	Ser	Pro	Ile	Asn	Ser	Val
				595				600				605			
Ser	Ala	Phe	Phe	His	Asn	Leu	Asp	Ile	Asp	Phe	Lys	Tyr	Ile	Pro	Tyr
				610				615				620			
Lys	Phe	Met	Asn	Arg	Tyr	Asn	Gly	Ala	Met	Met	Asp	Val	Trp	Asp	Ala
625				630				635				640			
His	Tyr	Lys	Met	Phe	Trp	Phe	Asp	His	His	Gly	Asn	Ser	Pro	Met	Ala
				645				650				655			
Ser	Ile	Gln	Glu	Ala	Glu	Gln	Ala	Ala	Glu	Phe	Lys	Lys	Arg	Trp	Thr
				660				665				670			
Gln	Phe	Val	Asn	Val	Thr	Phe	Gln	Met	Glu	Ser	Thr	Ile	Thr	Arg	Ile
				675				680				685			
Ala	Tyr	Val	Phe	Tyr	Gly	Pro	Tyr	Ile	Asn	Val	Ser	Ser	Cys	Arg	Phe
				690				695				700			
Ile	Asp	Ser	Ser	Asn	Pro	Gly	Leu	Gln	Ile	Ser	Leu	Asn	Val	Asn	Asn
705				710				715				720			
Thr	Glu	His	Val	Val	Ser	Ile	Val	Thr	Asp	Tyr	His	Asn	Leu	Lys	Thr
				725				730				735			
Arg	Phe	Asn	Tyr	Leu	Gly	Phe	Gly	Gly	Phe	Ala	Ser	Val	Ala	Asp	Gln
				740				745				750			
Gly	Gln	Ile	Thr	Arg	Phe	Gly	Leu	Gly	Thr	Gln	Ala	Ile	Val	Lys	Pro
				755				760				765			
Val	Arg	His	Asp	Arg	Ile	Ile	Phe	Pro	Phe	Gly	Phe	Lys	Phe	Asn	Ile
				770				775				780			
Ala	Val	Gly	Leu	Ile	Leu	Cys	Ile	Ser	Leu	Val	Ile	Leu	Thr	Phe	Gln
785				790				795				800			
Trp	Arg	Phe	Tyr	Leu	Ser	Phe	Arg	Lys	Leu	Met	Arg	Trp	Ile	Leu	Ile
				805				810				815			
Leu	Val	Ile	Ala	Leu	Trp	Phe	Ile	Glu	Leu	Leu	Asp	Val	Trp	Ser	Thr
				820				825				830			
Cys	Ser	Gln	Pro	Ile	Cys	Ala	Lys	Trp	Thr	Arg	Thr	Glu	Ala	Glu	Gly

1

															100																105																110	
Asn	Glu	Ile	Tyr	Gly	Asn	Asn	Leu	Pro	Pro	Leu	Ala	Leu	Tyr	Cys	Leu																																	
															115																120																125	
Leu	Cys	Pro	Glu	Asp	Lys	Val	Ala	Phe	Glu	Phe	Val	Met	Glu	Tyr	Met																																	
															130																135																140	
Asp	Arg	Met	Val	Ser	Tyr	Lys	Asp	Trp	Leu	Val	Glu	Asn	Ala	Pro	Gly																																	
145																150																155																160
Asp	Glu	Val	Pro	Val	Gly	His	Ser	Leu	Thr	Gly	Phe	Ala	Thr	Ala	Phe																																	
															165																170																175	
Asp	Phe	Leu	Tyr	Asn	Leu	Leu	Gly	Asn	Gln	Arg	Lys	Gln	Lys	Tyr	Leu																																	
															180																185																190	
Glu	Lys	Ile	Trp	Ile	Val	Thr	Glu	Glu	Met	Tyr	Glu	Tyr	Ser	Lys	Ile																																	
															195																200																205	
Arg	Ser	Trp	Gly	Lys	Gln	Leu	Leu	His	Asn	His	Gln	Ala	Thr	Asn	Met																																	
															210																215																220	
Ile	Ala	Leu	Leu	Ile	Gly	Ala	Leu	Val	Thr	Gly	Val	Asp	Lys	Gly	Ser																																	
225																230																235																240
Lys	Ala	Asn	Ile	Trp	Lys	Gln	Val	Val	Val	Asp	Val	Met	Glu	Lys	Thr																																	
															245																250																255	
Met	Phe	Leu	Leu	Lys	His	Ile	Val	Asp	Gly	Ser	Leu	Asp	Glu	Gly	Val																																	
															260																265																270	
Ala	Tyr	Gly	Ser	Tyr	Thr	Ser	Lys	Ser	Val	Thr	Gln	Tyr	Val	Phe	Leu																																	
															275																280																285	
Ala	Gln	Arg	His	Phe	Asn	Ile	Asn	Asn	Phe	Asp	Asn	Asn	Trp	Leu	Lys																																	
															290																295																300	
Met	His	Phe	Trp	Phe	Tyr	Tyr	Ala	Thr	Leu	Leu	Pro	Gly	Tyr	Gln	Arg																																	
305																310																315																320
Thr	Val	Gly	Ile	Ala	Asp	Ser	Asn	Tyr	Asn	Trp	Phe	Tyr	Gly	Pro	Glu																																	
															325																330																335	
Ser	Gln	Leu	Val	Phe	Leu	Asp	Lys	Phe	Ile	Leu	Gln	Asn	Gly	Ala	Gly																																	
															340																345																350	
Asn	Trp	Leu	Ala	Gln	Gln	Ile	Arg	Lys	His	Arg	Pro	Lys	Asp	Gly	Pro																																	
															355																360																365	
Met	Val	Pro	Ser	Thr	Ala	Gln	Arg	Trp	Ser	Thr	Leu	His	Thr	Glu	Tyr																																	
															370																375																380	
Ile	Trp	Tyr	Asp	Pro	Thr	Leu	Thr	Pro	Gln	Pro	Pro	Val	Asp	Phe	Gly																																	
385																390																395																400
Thr	Ala	Lys	Met	His	Thr	Phe	Pro	Asn	Trp	Gly	Val	Val	Thr	Tyr	Gly																																	
															405																410																415	
Gly	Gly	Leu	Pro	Asn	Thr	Gln	Thr	Asn	Thr	Phe	Val	Ser	Phe	Lys	Ser																																	
															420																425																430	
Gly	Lys	Leu	Gly	Gly	Arg	Ala	Val	Tyr	Asp	Ile	Val	His	Phe	Gln	Pro																																	
															435																440																445	
Tyr	Ser	Trp	Ile	Asp	Gly	Trp	Arg	Ser	Phe	Asn	Pro	Gly	His	Glu	His																																	
															450																455																460	
Pro	Asp	Gln	Asn	Ser	Phe	Thr	Phe	Ala	Pro	Asn	Gly	Gln	Val	Phe	Val																																	
465																470																475																480
Ser	Glu	Ala	Leu	Tyr	Gly	Pro	Lys	Leu	Ser	His	Leu	Asn	Asn	Val	Leu																																	
															485																490																495	
Val	Phe	Ala	Pro	Ser	Pro	Ser	Ser																																									

530					535					540					
Met	Phe	Val	Ser	Gly	Glu	Ala	Val	Ser	Ala	Tyr	Ser	Ser	Ala	Met	Arg
545					550					555					560
Leu	Lys	Ser	Val	Tyr	Arg	Ala	Leu	Leu	Leu	Leu	Asn	Ser	Gln	Thr	Leu
				565					570						575
Leu	Val	Val	Asp	His	Ile	Glu	Arg	Gln	Glu	Thr	Ser	Pro	Ile	Asn	Ser
			580					585					590		
Val	Ser	Ala	Phe	Phe	His	Asn	Leu	Asp	Ile	Asp	Phe	Lys	Tyr	Ile	Pro
		595					600					605			
Tyr	Lys	Phe	Met	Asn	Arg	Tyr	Asn	Gly	Ala	Met	Met	Asp	Val	Trp	Asp
	610					615					620				
Ala	His	Tyr	Lys	Met	Phe	Trp	Phe	Asp	His	His	Gly	Asn	Ser	Pro	Val
625					630					635					640
Ala	Asn	Ile	Gln	Glu	Ala	Glu	Gln	Ala	Ala	Glu	Phe	Lys	Lys	Arg	Trp
				645				650							655
Thr	Gln	Phe	Val	Asn	Val	Thr	Phe	His	Met	Glu	Ser	Thr	Ile	Thr	Arg
			660					665					670		
Ile	Ala	Tyr	Val	Phe	Tyr	Gly	Pro	Tyr	Val	Asn	Val	Ser	Ser	Cys	Arg
		675					680					685			
Phe	Ile	Asp	Ser	Ser	Ser	Ser	Gly	Leu	Gln	Ile	Ser	Leu	His	Val	Asn
	690					695					700				
Ser	Thr	Glu	His	Ser	Val	Ser	Val	Val	Thr	Asp	Tyr	Gln	Asn	Leu	Lys
705					710					715					720
Ser	Arg	Phe	Ser	Tyr	Leu	Gly	Phe	Gly	Gly	Phe	Ala	Ser	Val	Ala	Asn
				725				730						735	
Gln	Gly	Gln	Ile	Thr	Arg	Phe	Gly	Leu	Gly	Thr	Gln	Glu	Ile	Val	Asn
			740					745					750		
Pro	Val	Arg	His	Asp	Lys	Val	Asn	Phe	Pro	Phe	Gly	Phe	Lys	Phe	Asn
		755					760					765			
Ile	Ala	Val	Gly	Phe	Ile	Leu	Cys	Ile	Ser	Leu	Val	Ile	Leu	Thr	Phe
	770					775					780				
Gln	Trp	Arg	Phe	Tyr	Leu	Ser	Phe	Arg	Lys	Leu	Met	Arg	Cys	Val	Leu
785					790					795					800
Ile	Leu	Val	Ile	Ala	Leu	Trp	Phe	Ile	Glu	Leu	Leu	Asp	Val	Trp	Ser
				805					810					815	
Thr	Cys	Thr	Gln	Pro	Ile	Cys	Ala	Lys	Trp	Thr	Arg	Thr	Glu	Ala	Lys
			820					825					830		
Ala	Asn	Glu	Lys	Val	Met	Ile	Ser	Glu	Gly	His	His	Val	Asp	Leu	Pro
		835					840					845			
Asn	Val	Ile	Ile	Thr	Ser	Leu	Pro	Gly	Ser	Gly	Ala	Glu	Ile	Leu	Lys
	850					855					860				
Gln	Leu	Phe	Phe	Asn	Ser	Ser	Asp	Phe	Leu	Tyr	Ile	Arg	Ile	Pro	Thr
865				870						875					880
Ala	Tyr	Met	Asp	Ile	Pro	Glu	Thr	Glu	Phe	Glu	Ile	Asp	Ser	Phe	Val
				885					890					8	

cacttttgggt	tctattatgc	cacccttttta	cctggcttcc	aaagaactgt	gggtatagca	1020
gattccaatt	ataattgggt	ttatgggtcca	gaaagccagc	tagttttctt	ggataagttc	1080
atcttaaaga	atggagctgg	aaattgggtta	gctcagcaaa	ttagaaagca	ccgacctaaa	1140
gatggaccga	tggttccttc	aactgccccaa	aggtggagta	ctcttcacac	tgaatacac	1200
tggtagatc	cccagctcac	accacagcca	cctgctgatt	atggtactgc	aaaaatacac	1260
acattcccta	actgggggtgt	ggttactttat	ggggctgggt	tgccaaacac	acagaccaac	1320
accttttgtgt	cttttaaatc	tgggaagctg	gggggacgag	ctgtgtatga	catagttcat	1380
tttcagccat	attcctggat	tgatgggtgg	agaagtttta	accaggaca	tgagcatcca	1440
gatcagaact	cattttacttt	tgcccccaat	ggacaagtat	ttgtttctga	agctctctat	1500
ggaccaaggt	tgagccacct	taacaatgta	ttgggtgttg	ctccatcacc	ctcaagccag	1560
tgtaataagc	cctgggaagg	tcaactggga	gaatgtgcgc	agtggcttaa	gtggactggc	1620
gaggagggtg	gtgatgcagc	tggggaaata	atcactgcct	ctcaacatgg	ggaaatggta	1680
tttgtgagt	gggaagcgt	gtctgcttat	tcttcagcaa	tgagactgaa	aagtgtatat	1740
cgtgctttgc	ttctcttaaa	ttcccaaact	ctgctagtgt	ttgatcatat	tgagaggcaa	1800
gaagattccc	caataaatc	tgtcagtgcc	ttctttcata	at ttggatat	tgattttaaa	1860
tatatcccat	ataagtttat	gaataggtat	aatggtgcca	tgatggatgt	gtgggatgca	1920
cattacaaaa	tgttttgggt	tgatcatcat	ggcaatagtc	ccatggccag	tatacaggaa	1980
gcagagcaag	ctgctgaatt	taaaaaacga	tggactcaat	ttgttaatgt	tacttttcag	2040
atggaatcca	caatcacaa	aattgcatat	gtcttttatg	ggccatatat	caatgtctcc	2100
agctgcagat	ttattgatag	ttccaatcct	ggacttcaga	tttctctcaa	tgtcaataat	2160
actgaacatg	ttgtttctat	tgtaaactgat	taccataacc	tgaagacaag	attcaattat	2220
ctgggattcg	gtggctttgc	cagtgtggct	gatcaaggcc	aaataaccgc	at ttggtttg	2280
ggcactcaag	caatagtaaa	gcctgtaa	catgatagga	ttattttccc	ctttggattt	2340
aaatttaata	tagcagttgg	attaattttg	tgcattagct	tgggtgattt	aactttccaa	2400
ttggcgtttt	acctttcttt	tagaaaacta	atgcgatgga	tattaatact	tgttattgcc	2460
ttgtggttta	ttgagctttt	ggatgtgtgg	agcacttgta	gtcagcccat	ttgtgcaaaa	2520
tggacaagga	cagaggctga	gggaagcaag	aagtctttgt	cttctgaagg	gcaccacatg	2580
gatcttcctg	atgttgtcat	tacctcactt	cctggttcag	gagctgaaat	tctcaaaaca	2640
ctttttttca	acagtagtga	ttttctctac	atcagggttc	ctacagccta	cattgatatt	2700
cctgaaactg	agttggaaat	cgactcattt	gtagatgctt	gtgaatggaa	ggtgtcagat	2760
atccgcagtg	ggcattttcg	tttactccga	ggctggttgc	agtctttagt	ccaggacaca	2820
aaattacatt	tgcaaaacat	ccatctgcat	gaaccaata	ggggtaaact	ggcccaatat	2880
tttgcaatga	ataaggacaa	aaaaagaaaa	tttaaaagga	gagagtcttt	gccagaacaa	2940
agaagtcaaa	tgaaggcgc	ctttgataga	gatgctgaat	atattagggc	tttgaggaga	3000
cacctggttt	actatccaag	tgcacgtcct	gtgctcagtt	taagcagtg	aagctggacg	3060
ttaaagcttc	at tttttttca	ggaagtttta	ggagcttcga	tgagggcatt	gtacatagta	3120
agagaccctc	gggcatggat	ttattcaatg	ttgtacaata	gtaaaccaag	tctttattct	3180
ttgaagaatg	taccagagca	tttagcaaaa	ttgtttaaaa	tagagggagg	taaaggcaaa	3240
tgtaaactta	attcgggtta	tgttttcgag	tatgaaccat	tgaggaaaga	attatcaaaa	3300
tccaaatcaa	atgcagtgtc	cctcttgtct	cacttgtggc	tagcaaatac	agcagcagcc	3360
ttgagaataa	atacagattt	gctgcctact	agctaccagc	tgggtcaagtt	tgaagatatt	3420
gtgcattttc	ctcagaaaa	tactgaaagg	at tttttgct	ttcttggaat	tcttttgtct	3480
cctgctagtt	taaaccaaat	attgtttgcc	acctctacaa	acctttttta	ccttccctat	3540
gaaggggaaa	tatcaccaac	taataactaat	gtttggaaac	agaacttgcc	tagagatgaa	3600
attaaactaa	ttgaaaacat	ctgctggact	ctgatggatc	gcctaggata	tccaaagt	3660
atggactaaa	tgtctcaggt	cagcagaaat	ttgcactaat	aatacttacc	aacc caaaaa	3720
aaaaaaaaaa	aaa					3733

```
<210> 19
<211> 4121
<212> DNA
<213> mouse
```

<400> 19

atggcgcgttta	tgttttacaga	acattttacta	ttttttaacat	tgtatgcagta	tagttttttct	1
acttgtgaag	aatctgtgag	caattattct	gaatgggcag	ttttcacaga	cgatatacaa	120
tggcctaagt	cacagaaaat	acaagatttc	aaactcaacc	gaagacttca	tccaaattta	180
tattttgatg	ctggagatat	acaaacattg	aaacaaaagt	ctcgtacaag	ccatttgcac	240
attttttagag	ctatcaaaaag	tgcagtgcac	attatgctgt	ccaatccatc	atactacct	300
cctccaccca	agcatgctga	gtttgctgcc	aagtggaaatg	aaatttatgg	taataatctt	360
cctcctttag	cattgtattg	tttattatgc	ccagaagaca	aggttgccct	tgaatttggt	420
atggaataca	tggatcggat	ggttagctac	aaagactggc	tagttgagaa	tgcaccaggg	480
gatgaggttc	cagttggcca	ttctttaaca	ggttttgcc	ctgcctttga	ctttttatat	540
aatctattag	gtaatcagcg	taaacaaaaa	tacctagaaa	aaatttggat	tgttactgag	600
gaaatgtatg	aatattccaa	gattcgatca	tggggcaaac	aacttcttca	taaccatcaa	660
gctacaaata	tgatagcttt	actcataggg	gccttgggta	ctggagtaga	taaaggatct	720
aaagcaaaca	tatggaaaca	agttgttggt	gatgtgatgg	aaaagactat	gtttctcttg	780
aagcatattg	tagatggctc	attggatgaa	ggtgtggcct	atggaagcta	tacctcaaaa	840
tcagttacac	agtatgtttt	tttggcacaa	cgccatttta	acatcaacaa	ctttgataat	900
aactggctaa	aaatgcattt	ttgggtttat	tatgctacac	ttttgccagg	ctatcaaaga	960
actgtaggca	tagcagattc	caattataat	tggttttatg	gtccagagag	ccagctagtt	1020
ttcttggata	agttcatttt	acagaatgga	gctggaaatt	ggtagctca	gcaaattaga	1080
aagcatcgac	ctaaggatgg	accaatgggt	ccttccactg	ctcagcggtg	gagtactctt	1140
catactgaat	acatctggta	tgatccaaca	ctcacccac	agcctcctgt	tgattttggc	1200
actgcaaaaa	tgcacacatt	tcctaactgg	ggtgtcgtga	cttatggggg	tgggctgcca	1260
aacaccacga	ccaatacctt	tgtgtctttt	aaatctggga	aactgggagg	acgagctgtg	1320
tatgacatag	ttcactttca	gccatattcc	tggattgatg	gatggagaag	ctttaaccac	1380
ggacatgaac	atccagatca	aaattcattt	actttcgctc	ctaattgggca	ggtattcggt	1440
tctgaggctc	tttatggacc	aaaattgagc	caccttaaca	acgtattggg	gtttgcccc	1500
tcaccatcaa	gtcaatgtaa	tcagccctgg	gaaggtaaac	tgggagaatg	tgcacagtgg	1560
ctcaagtgga	ctggggaaga	ggttgggtgat	gcagctgggg	aagttattac	tgtctgctca	1620
catggtgata	ggatgtttgt	gagtggggaa	gcagtgtctg	cttattcttc	tgccatgaga	1680
ctgaaaagtg	tctatcgtgc	tttacttctt	ttaaattcac	aaactctgct	tgttgtcgat	1740
catattgaaa	ggcaagaaac	ttccccaaata	aattctgtca	gtgccttctt	tcataatttg	1800
gatattgatt	ttaaatacat	cccatacaag	tttatgaata	gatataatgg	tgccatgatg	1860
gatgtgtggg	atgcacacta	taaaatgttt	tggtttgatc	accatggcaa	cagtcctgtg	1920
gctaataatac	aggaagcaga	acaggctgct	gaatttaaga	aacggtggac	acagtttggt	1980
aatgtttacat	ttcatatgga	atccacaatc	acaagaattg	cttatgtatt	ttatgggcca	2040
tatgtcaatg	tttcagctg	cagatttatt	gatagttcca	gttctggact	tcagatttct	2100
ttacatgtca	acagtactga	acatagtgtg	tctgttgtaa	ctgactatca	aaaccttaaa	2160
agcagattca	gttacctggg	atttgggtgg	tttgccagtg	tggctaatac	aggacagata	2220
accagatttg	gtttgggtac	tcaagaaata	gtaaaccctg	taagacatga	taaagttaat	2280
ttcccccttg	ggtttaaat	taatatagca	gttggattca	ttttgtgtat	tagtttggtt	2340
attttaactt	ttcaatggcg	gttttacctt	tcctttagaa	agctaatgcg	ctgtgtatta	2400
atacttgtta	ttgccttggt	gtttattgag	cttctggatg	tatggagtac	atgcactcag	2460
cccatctgtg	caaaatggac	aaggactgaa	gctaaggcaa	atgagaagg	catgatttct	2520
gaagggcatc	atgtggatct	tcctaattgt	attattacct	cactccctgg	ttcaggagct	2580
gaaattctca	aacagctttt	tttcaacagc	agtgattttc	tctacatcag	aattcctaca	2640
gcctacatgg	atatccctga	aactgaattt	gaaattgact	catttgtaga	tgttggtgag	2700
tggaaagtat	cagatatccg	cagtgggcac	tttcatcttc	ttcgaggggt	gctgcagtct	2760
ttgggtccagg	atacaaaaact	tcacttgcaa	aacatccatc	tacatgaaac	cagtaggagt	2820
aaactggccc	aatatttttac	aactaataag	gacaaaaagc	gaaaattaaa	aagaaggagg	2880
tctttgcaag	atcaaagaag	tagaataaaa	ggaccatttg	atagagatgc	tgaatatatt	2940
agggcttttaa	gaagacacct	tgtttattac	ccaagtgcac	gtcctgtgct	cagcttaagt	3000
agtggtagct	ggacattgaa	gcttcatttt	tttcaggaag	ttttaggaac	ttcaatgcgg	3060
gcattgtaca	tagtaagaga	ccctcgagct	tggatctatt	cagtgtctata	tggtagtaaa	3120
ccaagtcttt	attcttttgaa	gaatgtacca	gagcacttag	caaaattggt	taaaatatag	3180
gaaggtaaaa	gcaaattgtaa	ttcgaattct	ggctatgctt	ttgagtatga	atcactgaag	3240

tacttaactg	gaaaaaattg	aaatggaaaa	aatacaataa	tgtagacaat	cacaaatata	1680
tgcctatcaa	atgaagggtac	gaatgcagtt	atgcttaatg	ttatgcaaat	ggcacctgtg	1740
gccgggcagg	gtggctcgtg	cctataatcc	tagcacttta	ggaggatgac	ggggcagatt	1800
acctgaggtc	aggagtttga	gaccagtctg	gccaatatgg	caaaaccctg	tctctactaa	1860
aaatacaaaa	aaatcagctt	gatgtggtgg	tgggtgccta	taatctcagc	tactccagag	1920
gctgaggcac	aagaatcgct	tgaaccggg	aggcggaggt	tgcagtgagc	caatattgtg	1980
ccacggcact	ccagcctggg	tgacaggact	ctgtctccaa	gaagaaaaga	aaaaaaaaaa	2040
aagctcttgt	gacatggaat	aaaactgaat	gacaacatca	aacttgaatt	cagaaatgtt	2100
tgtatctcaa	taaatctcag	aaataagtat	actttgaaa	aagacaaaat	atggctctgg	2160
aaatgaagat	attgaagggtg	aagtgaagg	ctgaatcaaa	tttgtttact	gaaatatgaa	2220
gcttaaaaaa	gcagtatttc	taaatcatat	taatcatttc	taaataatat	tgtgtaattt	2280
ttatttttaca	agtttgtgca	actcaattaa	tacagtaagt	actaaaatag	gtggctgatt	2340
agtatagata	tctacatatc	ttaactatat	atgtcaaaat	tatttgaaaa	tatttttaat	2400
attttctcac	ttaaaaacag	atgcatcata	ttttatattg	gttttctct	ttgggcatac	2460
actgtaagag	aataaaagta	aatatacctc	tgctgcctct	ctctctctct	cataattaag	2520
acaagaatat	tggagatggg	cacaaagagg	aaataattac	tataattaat	ttacatactt	2580
tttgaaaatc	cttgcgccaa	ctctgaggga	gtttactgat	agaaaaatga	agatttaaaa	2640
ttaagaaact	tgcataagac	ctcagaacta	gtagataccg	actaggggat	ttgtacttat	2700
ttctaattcc	aaagatcatt	attaaatata	aacttgttgt	gtctattaca	ttttcaacgg	2760
caatgtcccc	cttcaaatta	aggatgaaaa	tgggggaaaag	gtaaaaacaa	agcttgtgaa	2820
aaaccaccca	gtacaacctg	ctgcttgcac	agagaaaacc	ttatgcctct	taaggtaatg	2880
aaatttttaag	tttgtgtgtg	tgtatacaag	cacgcactct	tttattcatg	tgttcaacaa	2940
taggatattt	tagatagttt	tataattacc	gttaggaaac	agtcaaagta	acaactggat	3000
atgtgtacat	ttcagtttac	ttcagtaaat	ctagagagat	aatcagaagt	tagttggtgt	3060
acataagcca	actgtaagca	tgttgtgctc	cagtttagcac	tgaactagcc	agggtgccca	3120
gattaatgtt	taaaaataac	agtaaaaacc	ttctgttttg	tttatgtggg	gttaacttat	3180
agtagctata	tcccttgtat	gaacttatat	tttaatgtgt	atccccctca	agcaatttca	3240
tcatttcttg	gttgtattgt	ttttatacat	ataaatctcc	cttcaatgtt	aagtgaataa	3300
ttgcattaaa	gcatacaaat	aaaatggctc	ataaagttaa	actaaccata	ttttaaagtt	3360
gcaagcaatg	taaacaaatc	tagagaaaaa	gtaatctttt	ggaacagagt	gaaggaatga	3420
acataattaaa	acaaaaaaaa	tcaataaaac	ttggcattaa	tttttcagta	tagtacaagg	3480
gtttggagca	ttatttgcac	agtgcacatg	acaaggtaaa	aataaaactta	ttgttcatca	3540
aggggtgtca	gatttttaatg	caaggattga	aaagtttatg	tttctcattt	agcaaatgag	3600
agaagtgcc	gtaataggag	ccaaattgac	ttccaaaaag	agaaacaagg	agcattaaag	3660
atgttgcacg	accatgaata	tttccctctt	taaaccataa	agaataatgt	atgtatcccc	3720
aggtcagaaa	cagagcaaaa	cacaatatat	gagaggacac	tggttatct	aggacagttg	3780
aaaacctgag	acattaggtg	aaattcaaca	tcagtgttaa	tacagttgaa	agaaaaatta	3840
cattcaagag	tcagcaatac	agaaatcggt	taaagaaata	gtataaaaata	ggaagaacaa	3900
ttgccatgta	ctgtgaaaca	gtatcggctt	agattataat	ttatctttct	gtcctaccaa	3960
gtatcatctt	ccctaataat	tcagtccttt	aaatagttga	tacaataatt	aacacaccat	4020
tgttatttga	atgattctcc	ttgagtactt	tatttgcctg	gttcagattt	agggtttctc	4080
ctttcttccc	atttcaactcc	tttccctcct	cctttgtttc	ctttcttctg	tcattattta	4140
gaagacaggg	aaaagaacaa	cagagtgttg	tttttccctt	aaaacaaact	ctatttgaat	4200
gtatttggatc	aactgttagt	cacagaattc	acagcattcg	cttctacttg	gtatagcctc	4260
ctttatgctg	ggaaatttgt	gaaaagtggg	aaaagaatgt	ttcttttttag	ttccctctaa	4320
gctgtcagct	tcatggaggt	agagcccatg	tatactttgt	tcaccgttgc	attcccagga	4380
ttgagagctg	tgccctggcac	tttggtatctg	gaggtctcag	gagggggggag	agaaaagaaaa	4440
gaaaagcctg	acgggagcctg	aatcaaatat	actgagttgt	ccatcttact	gccattacta	4500
gcaatgggtct	acacacaggg	cagtgcagacc	acactcaggc	cttttttttct	tctctctctc	4560
tccagggcat	tcccttgatat	tcaaatacag	agcaaaactt	gggtagttga	gtgaatggga	4620
atggcaagag	tgagttccag	tggttttatt	ctatttgcac	ttatggataa	cccagaatct	4680
ctcttagaag	attgatggga	tgtgctgtga	gaagtatata	gtcaaaacct	agtggtgatc	4740
gctactcaaa	tttacctatc	ataattcccc	ctagttaatt	gatatgttag	aatgttaggg	4800
aaacttacct	ctggaagtag	cgttatactc	ccttctatta	aaagaaaaaa	agaaaaagaa	4860

aaaaaaagca	tcttcaattg	gctaaccctg	tgcatacact	tagtcatgta	tacctcaagt	4920
aacattgcaag	aagttttctt	tttttctcta	taaccgtgct	gtttcagaaa	taaataagcc	4980
atgtctacta	tagaacagct	accacttctt	ggggcttttc	cttggtggt	aatcactacc	5040
ttgcatgccc	ctcctctcac	tctttctctt	cctgatgaat	tcctaagagt	ttcaaagtct	5100
ctagagagat	tgccaattcc	tcactgagga	tattcatagt	caattgattt	ttatgttctt	5160
cctttatgct	aatcagtacc	ttgacagtag	atacattgat	tgttcctttt	attcaaaaagt	5220
acccgttgat	tcaaaagtaa	caaaagtgtg	gtgaataggc	aaataaataa	tgaattataa	5280
atccattcaa	aattccttca	aaaaacttta	gaactgaaaa	aacatgtgcc	taaatcttgg	5340
tcaaaccact	tatcagctga	tttgctttgg	acaaatcact	tgacatgagt	ttcaaacata	5400
tatgtaaaat	aactacttga	tagagttgtt	gtgaggattg	taatgataca	caaaaaacctt	5460
atgattcaat	gtgcagcaca	tattaagtga	ttaattcatg	acagatcctt	atccaaaagta	5520
aaccaattat	tgacaattca	gtcaacattt	aaacaggcag	taaacagccc	acatattaat	5580
tgtcttgata	tcttagaatg	ttagggaacc	ttacctctgg	aagtagtgtt	aaatcccttc	5640
tattaaaaaa	aaaaaaagcg	gcgtgaaccc	gggaggcgga	gcttgccagt	agccgagatc	5700
ccgccactgc	actccagcct	gggcgacaga	gcgagactcc	gtttcaaaaa	aaaaaaaaaaa	5760
aagcatcttc	aatgtgctaa	ccttgtacat	cacttttagt	atgtatacct	caagtaacctt	5820
gcaagaagtt	tcttctttta	gtgatatcat	gcctgaatga	agatcttact	agcagcagga	5880
agggcagatg	tagaatacag	attcttaata	caggtagatc	cttgccattt	agaaaagttgc	5940
agtcaggacc	tggaattaag	ttaggggaac	agagactcga	gagtcagggg	ttgggggagg	6000
tggaagaagga	ccaagttcag	ttgctaaaat	tctgggtttg	gggatcggta	ttcaacttgt	6060
cctgcatttt	ccaactgctg	gttctctcag	tcatacaaaa	atcttaatag	cattactcaa	6120
agacctaggg	aaaaggggta	agataaaaatt	atcccaatca	tagacaagtt	gcttttagct	6180
ttttattttt	gtattaacag	gagtcttatt	acacatagg	ctgataaaa	tggtttatga	6240
tcttcagtct	gtttccagt	ctgcataact	agataacgta	tgaaggaaaa	acgacgacga	6300
acaaaaaatt	aattgcttgg	aagacttagt	tgaatctatc	catgaaaaca	gaatcaatta	6360
aacatgtatg	tgttacttag	actaaatata	aataaccat	ataaatggta	gctcaaakat	6420
ctcaagtgtt	tcagagaatg	ttagaatcta	ttgtttgaag	tgtctattgt	actctatgca	6480
aaaatccaaa	gtcatttgcg	tctttaaaaa	tgatatggat	aatttttctt	ccgaaatgaa	6540
gtgaaatcat	gattaatcag	atatatcaga	caattttggt	aacattttaa	taagcagcta	6600
atagcccaca	tattaagtgt	cttgatatct	tagaatgtca	ggtacccttg	ccagggtgtg	6660
tggtcatg	ctgtaatccc	agcatttttg	gaggcccagg	tgggcagatc	accagggtcaa	6720
gagattgaga	ccagcctgac	caatgtggtg	aaacgctgtc	actactaaaa	atacaaaaat	6780
gagccaagca	tggtggcgtg	cacctgtaat	cccagctatt	caggaggctg	acgtaggaga	6840
atcacttgaa	cccggtaggc	ggagggttgc	gtgagccgag	atcagaccac	tgactccag	6900
cctgggcaac	aaagtgagac	tccatcccca	aaaaaaaaaa	aaaaaaaaaa	aagaatgtta	6960
ggtatcctta	cctttggaag	tggtgttata	ctgcattcta	tttatgcttt	ttcctaaatc	7020
aacaaatgaa	aacgtttcta	tttctgatca	aagttaatca	agccaaacaa	agcaattcaa	7080
aaattatcat	taatatttac	tcacttaaaa	ttgtgatata	ccttgatata	caagaatgcc	7140
aaagatactt	ggtgatgtac	agaaaatcgt	gctgaacaat	tatgccaaac	aaaagtaagt	7200
ggtggaggag	gttcttcttt	gaatacattt	gcagagggca	atgtagcaag	acctgggaat	7260
tttgatacaa	ggaaggattg	tccattcttt	gtcaggcatt	tattagttat	tctctatgta	7320
aaaggacaat	caaatgtcta	atattttggt	gtccacacct	aaacgtacat	attggttgtgt	7380
catcactttg	ttaaaattta	aatttttaat	taaattctac	aaactaaatc	tatgcagatt	7440
tagcttcttt	ctcctgagca	gatttttcta	tttctctgta	gttttcatta	aattcaactc	7500
tgaatatggc	ctttttat	catcttgagt	aaatctatgt	tgtttgaaaa	tttaaaaagc	7560
caattatcat	tatatgtgt	acttcacttt	tgtagcaaaa	attaataagt	cctttcaaaa	7620
ttttaaaatt	tcaatcctat	tattataata	aaagcaatta	tctcaattag	gcctatgttt	7680
ggggaagtta	atgtagaaaa	agacggattt	tacagataag	aaattttgta	agtgtttctt	7740
tcagaagtat	cagatagtga	taatccctct	tttaattatt	tcaaagaaca	aaaataagag	7800
tagaagctat	ttaaaatttt	cctagatcac	cctaagggtg	caggacctgg	gaacatgctg	7860
ggagagtcaa	tccccttagg	aattctgttt	ctaaggcagg	ggtctcaggc	accatcacat	7920
gcatacatac	ccaatggatg	tgtagccgc	tcaccatac	ataacattcc	ttacagaaca	7980
atctgtgagt	agacgctttc	tccagcaaac	tttctat	agaataacta	aatagtaggg	8040
ttcatgtcta	aaatcttccc	ttgggggtgg	agtaggtgag	tacagaaaca	agtaaataca	8100

actctgcatt	gccatgtggg	ggtgaaagct	gggatacatt	gtaaagatca	ttttcgttaag	8160
cctgtacett	tcttttgcta	tcaatgacgt	gttcccatat	tcattctcag	tgtaactcat	8220
tttctttttc	attttctgta	actcttcttt	ccctattact	ccacatactc	catctggcct	8280
tctcctgcca	acaggtacat	ttcttttttt	cttttttttt	tttttttttg	aggcggaagtc	8340
tcgctctgtc	gcccaggetg	gagtgcaagt	gcgcactctc	actcactgca	agctctgcct	8400
cccaggttca	tgccattctc	ctgcctcagc	ctcccgtgta	gctgggacta	caggtgcccg	8460
ccaccacgcc	cggctaattt	tttgtacttt	tttttttagta	gagacggggt	ttcacctgtg	8520
tagccaggat	ggtcttgatc	tcttgacctc	gtgateccacc	cgcctcgggc	ttccgaagtg	8580
ctgggattac	aggcgtgagc	cactgcaccc	ggcgcaccaac	aggtaacatt	ctgtattgtc	8640
tgtacaatgt	taaaataaag	ggaacagtag	tttctgcttt	cttgcttgct	acctgcattg	8700
aattgttaatt	cctaccttga	tcagatctaa	tactactgac	aatccagact	ttttatatgt	8760
gatctgattc	acgatcacat	atcctaggaa	ttgaaagtaa	acactgagat	tctgcccatt	8820
aatggaaata	gtgttatcaa	ccatgtagca	tgcaatattc	atgtagatat	tatccaagta	8880
gcattttata	tgcttgccgg	taactctgag	atagaatgaa	taatctttct	tgagattact	8940
agtgtagatt	caggtcttca	gtgccctctc	aacctacatt	cacatgaatt	tcattcattt	9000
tgaaattaca	gagggacaat	catgagagat	atgggaagga	atatgttggg	gagggggggc	9060
agtctccact	cacactataa	tggaagaaaa	atgacagcca	agttaggttt	agctggaatc	9120
taacatatac	agagctttat	cactctggag	gcacattttg	acataataat	aactactgag	9180
aaagaaccac	ttttatctag	gtcagaatga	cagacttcca	agtgttagag	agcttggggg	9240
aaccacagtt	tgaaacatca	ggaagaagac	tgcaatctgt	acagagattt	tcatcaagtc	9300
tcacactgc	cttatgtttt	catccaatac	attgtaatta	ctccactggc	ttataatggc	9360
gtagcatttt	gatttcagag	cctacccaaa	taaaataaac	cacactttat	gacgactaca	9420
tttataataa	gatgcagatg	gtaaaggaaa	cagatgcctc	tgacatcatc	ttccatttgc	9480
tttcaacttt	tgcacacact	ggcagttctg	aaactcattc	aaagggatgc	aagataagtc	9540
aggcagtttt	ccaattctgt	ttccagttta	aaaagacact	gcagtggcac	tactttgagt	9600
cacagagtgt	taattccaga	aaaataaatt	tgattctaa	tctgtgtcag	tctttaacgc	9660
aaaattaatc	aactgggggg	aaaatgcccc	acaatattga	gagttcagcg	attagtaact	9720
actgattgtt	ttgcttgaca	gtgacagaaa	ggataggatg	ggagtgatgt	gatggcgaac	9780
agctgtagct	ccaggaggga	taaaaagtga	aaggagagtt	ttaaacagac	aatcatgtct	9840
aaaataatct	accagccctt	gccaccacga	ttgttcaaag	acttattcct	tatatttcta	9900
agtaaaaaac	ttcaaggagg	cttttaaagt	cagtttccga	cctcaaaaaa	acatattcat	9960
tctgtatttc	catctgtatt	ttccagaaga	aatcctatag	ttctgatagg	agctttcacc	10020
atttcctcag	tgatatcact	gaacattaaa	cacagtaaaa	gaaattttct	ttttctttgt	10080
gcaagataag	tgtgtcagaa	gaccttttca	aaaggataag	gaacttttgt	agtccatctt	10140
gaaagcaaga	gatgcgtggg	taaagcagca	attgcaaggc	ctttagcagt	gtttgaggtc	10200
tctagataga	ttagcacagt	tacagatgaa	ggggagttag	acaaaaactt	aaaattttcc	10260
catctccctt	gaccccatga	tataacttca	tctaccactc	tgtagcagaa	acttttttag	10320
agacaaaatt	ttcagaaaca	aaggcaaggg	aggtgatgac	ataaaaaata	atcctgctag	10380
gccaaatatg	gtgccatttt	ttaaaacaat	ctctctgtgc	aaacaacact	gaacacatac	10440
acgcgtgcac	acacacacac	acactaaaga	ataaacaac	tcttctgatt	catatccaca	10500
aagtgggttg	gtaagtatta	ttagtcaaaa	tttctgctga	cctgcagcat	ttagtccata	10560
aactttggat	atcctaggcg	atccatcaga	gtccagcaga	tgttttcaat	tagtttaatt	10620
tcatctctag	gcaagttctg	tttccaaaac	ttagtattag	ttggtgatat	ttcccttcca	10680
tagggaaggt	aaaaaagggt	tgtagagggt	gcaacaata	tttggtttta	actagcagga	10740
gacaaaggaa	ttccaagaaa	ggcaaaaatc	ctttcagtag	ttttctgagg	aaaatgcaca	10800
atatcttcaa	acttgaccag	ctggtagcta	gtaggcagca	aatctgtatt	tattctcaag	10860
gctgctgctg	tatttgctag	ccacaagtga	gacaagaggg	acactgcatt	tgatttggat	10920
tttgataatt	ctttctctaa	tggttcatac	tcgaaagcat	aaccggaatt	taagttacat	10980
ttgcctttac	ctccctctat	tttaaacaat	tttgctaaat	gctctgggtac	attcttcaaa	11040
gaataaagac	ttggtttact	attgtacaac	attgaataaa	tccatgcccg	agggtctctt	11100
actatgtaca	atgcctcat	cgaagctcct	aaaacttctt	gaaaaaaatg	aagctttaac	11160
gtccagcttc	cactgcttaa	actgagcaca	ggacgtgcac	ttggatagta	aaccaggtgt	11220
ctctcaaa	ccctaata	ttcagcatct	ctatcaaagg	cgcctttcat	ttgacttctt	11280
tggtctggca	aagactctct	ctttttaaat	tttctttttt	tgtccttatt	cattgcaaaa	11340

tattgggcca	gtttacccct	attgggttca	tgcagatgga	tgttttgcaa	atgtaatttt	11400
gtgtcctgga	ctaaagactg	caaccagcct	cgagagtaa	gaaaatgccc	actgaggata	11460
tctgacacct	tccattcaca	agcatctaca	aatgagtcga	tttccaactc	agtttcagga	11520
atatcaatgt	aggctgtagg	aaccctgatg	tagagaaaat	cactactgtt	gaaaaaaagt	11580
tgtttgagaa	tttcagctcc	tgaaccagga	agttaggtaa	tgacaacatc	aggaagatcc	11640
atgtggtgcc	cttcagaaga	caaagacttc	ttgcttccct	cagcctctgt	ccttgtccat	11700
tttgcacaaa	tgggctgact	acaagtgtct	cacacatcca	aaagctcaat	aaaccacaag	11760
gcaataacaa	gtattaatat	ccatcgcatt	agttttctaa	aagaaaggta	aaaacgccat	11820
tggaaagtta	aaatcaccaa	gctaattgcac	aaaattaatc	caactgctat	attaaattta	11880
aatccaaagg	ggaaaataat	cctatcatgt	cttacaggct	ttactattgc	ttgagtgtcc	11940
aaaccaaadc	gggttatattg	gccttgatca	gccacactgg	caaagccacc	gaatcccaga	12000
taattgaatc	ttgtcttcag	gttatggtaa	tcagttacaa	tagaaacaa	atgttcagta	12060
ttattgacat	tgagagaaat	ctgaagtcca	ggattggaac	tatcaataaa	tctgcagctg	12120
gagacattga	tatatggccc	ataaaagaca	tatgcaattc	ttgtgattgt	gggttccatc	12180
tgaaaagtaa	cattaacaaa	ttgagtccat	cgttttttta	attcagcagc	ttgctctgct	12240
tcctgtatac	tggccatggg	actattgcca	tgatgatcaa	acaaaaacat	tttgtaatgt	12300
gcatccca	catccatcat	ggcaccatta	tacctattca	taaacttata	tgggatatat	12360
ttaaaatcaa	tatccaaatt	atgaaagaag	gcactgacag	aattttattgg	ggaatcttct	12420
tgcctctcaa	tatgatcaac	aactagcaga	gtttgggaat	ttaagagaag	caaagcacga	12480
tatacacttt	tcagtctcat	tgctgaagaa	taagcagaca	cggttcccc	actcaciaat	12540
accatttccc	catgttgaga	ggcagtgatt	atttccccag	ctgcacacc	aacctcctcg	12600
ccagtccact	taagccactg	cgcacattct	cccagttgac	cttcccagg	cttattacac	12660
tggcttgagg	gtgatggagc	aaacaccaat	acattgttaa	ggtgggtcaa	cttgggtcca	12720
tagagagctt	cagaaacaaa	tacttgctca	ttgggggcaa	aagtaaatga	gttctgatct	12780
ggatgctcat	gtcctgggtt	aaaacttctc	cacccatcaa	tccaggaata	tggctgaaaa	12840
tgaactatgt	catacacagc	tcgtccccc	agcttcccag	atttaaaaga	cacaaagggtg	12900
ttgggtctgtg	tgtttgggcaa	cccagcccca	taagtaacca	cacccaggtt	agggaatgtg	12960
tgtattttttg	cagtaccata	atcagcaggt	ggctgtggtg	tgagctgggg	atcataccag	13020
atgtattcag	tgtgaagagt	actccacctt	tgggcagttg	aaggaaccat	cgggccatct	13080
ttaggtcggt	gcttttcta	ttgctgagct	aaccaatttc	cagctccatt	ctttaagatg	13140
aacttatcca	agaaaactag	ctggctttct	ggaccataaa	accaattata	attggaatct	13200
gctataccca	cagttctttg	gaagccaggt	aaaagggtgg	cataatagaa	ccaaaagtgc	13260
atctttaacc	agttattatc	caagtgtgtg	atattaaaat	ggcgctgggc	cagaaaaaca	13320
tactgtgtga	cggatttagc	tgtgtagctt	ccataggcca	caccttcac	caaagaacca	13380
tcaacaatat	gattcaatag	aaacattgtc	ttttccatga	catccactac	agcctgtttc	13440
catatatttg	cttttagatcc	tttatctact	ccagtcacca	aggccctgt	gagtaatgct	13500
atcatattag	tggcttggtg	gttatggaga	agctgtttgc	cccatgagcg	gaccttgga	13560
tactcgtaca	tttcctcagt	aataacccat	attttttcca	ggtatttttg	tcttcgatga	13620
ttatctaata	agttatataa	aaagtcaaag	gcagtggcaa	aacctgttaa	ggaatggcca	13680
attggaacct	catctcctgg	tgcattctct	actagccagt	ctttgtagcc	aacctcctg	13740
tccatatatt	ccaagacaaa	ttcaaaggca	actttgtctt	ctgggcataa	caaacagtac	13800
aatgctaaag	gaggcagatt	gttaccataa	atttcattcc	acttggcagc	aaaatcagca	13860
tgctttgggtg	gaggtaggtg	gtatgttggg	ttggacagca	taactgtcac	tgcacttctg	13920
atagctctaa	aaagatgcaa	atggcttgca	cgagactttt	gtctcattgc	ttggatttct	13980
ccagcatcaa	aatataaact	tggatgaagc	atacttttct	tcagcttttg	gttgggtctg	14040
aaatcttgca	ctttctgtgt	tttaaaactga	tctatatcat	ctgtgaaaac	tgcccatctg	14100
gaataattgc	tcacagattc	ctcaaaaagta	gagaaagcaa	acatcaataa	tgctaagaat	14160
agtaaagtgc	ctgtaaaccat	taacgccatg	atccatgggg	gagctcctcc	cttaggcata	14220
catgtcagat	atgatgtcca	atgtgtttcc	catctgggtta	gtataaaaca	tacagtaaag	14280
gccttgataa	gacaaagact	gtaaatctga	tatgtgtgta	aatccagctg	acattcagta	14340
cattntaagc	aagtgcagtt	gccaaaaaga	gaaacttaaa	ttgtatatct	ctgtccctgg	14400
cacagttttg	cttccagtaa	aactttgaat	aacgttaaaa	tctctaattt	ttccataata	14460
cacaggggaag	tgatacaggt	aaaaaacact	atgaatttag	catttacctc	ctttacttaa	14520
atctatttaa	cacaaagagt	tggaaacacac	attgtaaaaa	aagagaaaaa	gcactccaaa	14580

attcaaat	agagtcat	ctagcacaga	aaaccatcac	tgggtgataag	ctcaccacac	14640
atgtatgatg	catttgtgta	tgtttgccca	aagaagatga	tgaagtactg	acattcttcg	14700
agtgaagtga	ctcagttgtc	attcctctca	actttttata	cttcttgtct	tgtgaatacg	14760
tttttctttc	atttatgaga	gagaaacatc	ctcaacaagt	gatcaaagtc	ttagttgggt	14820
tttaaaaatt	caaaattctt	gccttcattt	caaataTTTT	tcaggcttac	ttactcatca	14880
gcctattatg	acaaagagaa	atcatgttca	catcttcttt	tatcagcttc	atgtgtacaa	14940
acataaaaaat	ggaatatctt	cagtcaccta	gatacttctc	gtccgatcat	gaagtaaccg	15000
ccaacgggcg	aaagaaaatt	cccctttcag	caacagtgag	gtctctcttc	tgctcttttt	15060
tcatgacact	tttctgggga	tgggggacaa	aataaaaatt	ctctgaggct	tcagggtatgc	15120
tgagaatgaa	tataaactga	tgacttaaac	attctgcaat	cacttaatag	aaattttaga	15180
atcacagtaa	aatctcatat	tatctgcaac	ctaagctagg	gcaagtgatt	tttttcttat	15240
ccattttacac	gcacttat	ggaaaccagt	gaccgtcagc	agaagacaag	caactaacia	15300
tacaaaatat	acaagataga	actctcccga	caatatctat	agtttaacgc	cactaacgtg	15360
gcttcagtca	cttaaaaaat	gtttgtattc	aaatgcagtt	tacacaaaga	tgagtctctg	15420
tatccttggt	atttcttggt	cccaaggacc	gagggacaaa	aaactgaaag	ttgaaaagat	15480
cttttttttt	ttttttttta	attccggggg	aaggtttaga	gttcatggga	tcagaaggta	15540
tcttcctaac	gagaactact	cggaccagtc	acttttctcg	gcggggtaac	cgcgaaatcgt	15600
gaccaggcgc	caagccgagg	ggcgggagct	ccgcgctcgg	cgctcacctg	tgcccgagtc	15660
cctgtcctca	ggtggagccg	ccagagggag	ctcggacccc	ggtgtcgaaa	gacgcctctc	15720
cgtgcccgtc	cgcggctgga	agaacctaa	caagtttcag	tcttggaaca	gtctcccctc	15780
tgtaggaaac	attcaggcta	ggagtttctc	gatccgcccc	gcctgttgca	ttttttcact	15840
ggcgtcctcc	gacctgccc	ccccattct	ccgtccccc	ctctggggct	gagtgaggca	15900
ggatggcgag	agacccctga	gccaccaagt	ccgcttacct	caggcagatc	ccgacggggg	15960
ctcggcgccg	cactgggccc	caagggagac	ggaggtggag	agttccagaa	aactgctctg	16020
cacggcgggc	caggctccc	cggggctccg	caagaccccc	gcgtcgtctc	ccgcgctacg	16080
gcaggcgctg	cccagctcg	gtctcctcag	ccgcgctcgg	tcccgcgac	ccgcacggcc	16140
cggacacgcc	cgcctcagg	aaacgcggga	cgcttggtgg	ggcaaccacg	gaccgcagga	16200
cagagacccg	cgggcggcgg	gttctctcgg	tggcgcgcta	tccagagcag	cgcccgcgct	16260
cccaggcggt	gatgtcgccg	cggccgagga	tctctgtgct	cagctccggc	cgcgagcccc	16320
ggggagggtg	agagacggcg	acgcggggcc	gcaagcgggg	gcggggcgga	ggcaggacgg	16380
ggcgggggtg	aaggcggggc	tgaaggcggg	gcctcagggg	aggcgagaga	cagcgacgct	16440
ggctggcggg	cgtggggcgg	gacggagaca	ggacaggggc	gggtcagagg	cggggcttcg	16500
gggaggacgg	gaggagccgt	gagcaggccg	gcggcggggc	gggcggggcc	gaaagcaggt	16560
gaggcggggc	caagcgcccc	gggtttctaa	gcggaggaag	ctctaggcgt	ttgtgttctg	16620
ggcttgacgc	ggtggcccg	cgtcccggga	ggagtcgagc	tggaggaggg	gacagtttgg	16680
gagtgcgaga	gtctaaagac	gctgccaggc	tggcgttaaa	accttttggg	tatgggaaga	16740
cgacaactat	ataatagagc	catagtgggg	gctgtgggat	tgactcaaat	gatgggagga	16800
gctggagtgg	gaggggataa	gccctgggac	gacagaaatc	atccttttgg	aaagagcaag	16860
ggctggggaa	ggagggaatg	agcactccct	tggaaactgag	aggcagcctg	gctgagcttg	16920
ctgtcctttg	gaaaagcaaa	accgaaatac	ccagattaat	ataggaggac	aacttctgta	16980
gccagatgc	taacaaagat	caagggaaaa	cagaaaagac	taatcagctt	tactgatgga	17040
aaacaatttc	tcaggcagta	taaatagggg	aagcatggga	caaacaagta	gaaggagcct	17100
cttatttaa	aatgggacct	ggtattcggt	aaagacctac	atgcagacag	gagaaggcag	17160
tggtccccgg	ctactacgac	atgtgagtg	agtgccaggt	cgtggaaatc	ctagagcagg	17220
ctgggactcc	tggtgcactc	cacacatgga	gcttctcaca	gatagctgag	atgacacttt	17280
ggcataaacc	aacccaagct	ctgacctcaa	atgtaaaaaa	taatagctta	gtagtaataa	17340
aaatacaggg	aaatatcaag	cttcacaaat	gaacaattcc	attctcagtt	ggggattagt	17400
aacacattca	gtctcttcat	ttccataact	attttggtaa	tatttaataa	gatataatttt	17460
aacattttta	aaataaatgt	cttgcttaga	tcatttgctg	ctgaaaatca	aacagtagac	17520
gactgctagc	agaataaatt	tcaaatcatt	taactttgag	gtgaaatgtg	gcctctaact	17580
cctcatcact	cttctgtttt	ggccccgtag	taacccctag	cccagtccaa	atagccacac	17640
ttgcttttgc	ttgggtgctt	cagtaactat	gcttattcca	ttctttccct	cacagtgtcc	17700
tttaccacaac	caccccactt	actagttaaa	attcttctga	ctgttgaaat	tatctgatca	17760
tccaggtctc	aactcagatg	cttacattct	tctgtaaaata	actcctaagt	ttccctaacc	17820

cctccagaga	tgaaggacat	tatatcttca	catggcagaa	aaggaggaga	aagagagaat	21120
ccactccac	cagccctttt	tatagagcat	taatccattc	ttcatgaaat	aaacagggtt	21180
ctcatttggc	cacacctcct	aacactgttg	cattggggaa	tacgtttcca	acacttggat	21240
ttgggggaac	acgttgagac	catagcacct	tccatctctt	cctccacatg	aggacacagt	21300
gttcatttct	ttattgcttc	ttccattatg	tgaggattca	gcaagagata	tcatcttgga	21360
agcagagagt	aagccctccc	cagacacaga	atcttctggc	accttgatcc	tggaaatttcc	21420
tgcttgaga	actctgagaa	ataaatttct	gctatgtata	aattacttta	tctgtggtat	21480
ttcattatag	cagcaaggac	agactaagac	actagctttc	tctaatttat	tcacagatga	21540
ctttttgttg	tttaccagct	actggctcca	tttttcttca	tttgacctaa	aatacttcta	21600
aacctagctg	tctcagccct	tataaaaaact	tgagctatgc	ctacaggcat	aattggcagt	21660
aaactaatta	ctaccaaata	atattttggaa	tgatgtgtct	ttttgggtta	tcagaaatgc	21720
ccttctgatg	ttaataagag	aatgtcattt	taccacaac	ccctgtacat	atcatgcacc	21780
ccaattacct	ttactatcag	atttatttcc	actggaacag	tgtttttcaa	attacagttc	21840
ttagactacc	agtatcagaa	agttcatggt	gctattaaaa	atgtcaatta	tcaaatctgt	21900
ctcagcctta	tggattaaga	atctcagtgt	gtaacctggt	attctgtacc	ttaaaatggt	21960
caagtgccta	acaaattttg	agagtcactg	ttcgaacata	attctcattc	ttttctcctt	22020
gccacacaca	cctgtgacct	agggtttggt	tggtacata	acagaaacat	tctcaggctg	22080
gcagaagcat	aaggactgat	taggattagg	aactggtggt	gcagaataac	tcagaaacat	22140
gtatgtagct	attttgcaga	acgtttaata	gtcttgctt	taaattattt	attcacatgt	22200
gaggaagtga	gatattagag	tcaagcaata	aaggcaaata	agatttataa	aacagaaaag	22260
agaaaaaaat	gaatacaacc	tagaaacaat	gaaagtgtga	ttttgggggg	caagttgatt	22320
aatggcagt	tagcagagga	gtttgttgcc	cagaagttag	agtttagctg	tagagcagaa	22380
gtgacagggt	cctctgtaga	gtgttggtcca	ctaaccgcgc	atcagcacct	gtatcttact	22440
cagatctagc	cagtatcata	tttctcagt	aggcttcctt	gctggaaagc	cactaaaagt	22500
ttcctttttc	catccatgtg	aggcagggag	acttctccct	ctgctcctga	gcatttactt	22560
ccttctcttt	ttctgagaat	caatttcacc	ttctccttca	tggtgataca	actcaacatg	22620
gctatccttc	agcacaagtt	tatatcactt	tgactccacc	atcgggcaga	aatcaattgt	22680
cttttttgaa	cctcaaatec	aaattctcgg	aaaagatgat	ttcctagcag	agtcagcggt	22740
tcatcatgac	tccagcagca	atggaaaagca	gttcagggtc	atatagttca	aatactgcta	22800
caggggctga	cattcgtggg	ttcgagatat	caatcatctt	aggaagagag	agctggctta	22860
taccttaaaa	gtatctatta	taaaatgaca	caaaccagag	agccatgcac	ccccagggaa	22920
gcacataaaa	gcagtgtatt	tggtggtgag	tagttgaggt	gttgagggtt	gaggtatggt	22980
gggatagtga	aagggtgggg	gggaggaaaag	gttcaaaaat	gccacgcctt	tatgtgaaca	23040
ggctgactcc	tctttcttat	ccctgaaaaa	ttattccttt	tgtagaatgt	attaaattta	23100
cctaattaga	agaatcacct	agaattactt	gttaaaagta	cgagatatga	gatccaaaac	23160
cctacttgaa	ggtagagtga	ggaaggaaat	ataagaagcc	tgtattttta	aattccatta	23220
tgatcctgca	aaattaacaa	atcaccatta	gataaccttt	taaaatactg	ccagctacca	23280
acatcgccct	aaacctgctg	ccccaccaa	taactgagcc	cctgataacc	accacagtct	23340
agttttatga	gatcaatttg	taaaaaatcc	acatgtgagt	gagttcatgc	agtagttgtc	23400
tttctgtgcc	tggcttattt	cacttaacat	aatgtcctcc	aagttcatag	atattgttgc	23460
aatggctaa	ataatatctc	actgtgtata	tgtaccacat	tttctttatc	cactcatcta	23520
ttgatggaca	cttaggttga	ttccatagct	tggctattat	gaatagagct	gtaatttaaca	23580
tagcagtga	gagatatata	tcagtgtctc	tttgacatac	tgatatcatc	acaaaaataa	23640
taactataag	tgatgcatag	gttaattaga	tttagtcaaa	ctgtaatcta	catatacttc	23700
aaaacatgat	attttacatg	atacttacia	ttttacctgt	caatttatatt	tattttattt	23760
ttctaatttt	tttttttttg	agacaaaagtc	tcacactggt	gccaggctg	gagagcaatg	23820
gcacgatctc	agctcactgc	aacctctgcc	tcccagggtc	aagtgattct	ctgcctcagc	23880
ctccccagtg	gccaccacac	ttggctaatt	tttgtaattt	taatagagac	agggttttgc	23940
catgttggtc	aggctggtat	caaactcccg	atctcaggta	atctgcctgc	ctcagcctcc	24000
caaagtctctg	agattacagg	cgtgaaccac	tgtgcctggc	cttacctgtc	aattaaaata	24060
ataataataa	taatgaaaat	aataataata	ataattggct	agctacttaa	aatagaacat	24120
aattttgttt	cagattcaaa	gacgtaaaagt	ttgatagaga	tgggaggtag	gtaatttatg	24180
tgggtgaagc	cagccagggtg	cttgttgtca	tgtggaacgt	aaggacccat	gtcacgagat	24240
aatctgattt	tgcaaagaaa	gccagaaatc	tgaacttgta	tgggaaatta	tctgattttt	24300

ctaattggctt	aacttggttt	gaaaactctg	tgaatgccaa	ataaaatgga	ttcaaactcat	24360
aaacggcaag	gttttgactt	ctgattgtga	gctggctgca	tgaaaataaa	tttcctgatt	24420
ttgcatatgc	tagttcagca	ccccaggaat	tcaactttcc	attttaatgc	tgggaaaaaa	24480
aatactatct	tttcttttaa	gttatctact	actataactc	ctctcagtc	ggaacggtca	24540
aggactggtc	atgtattcaa	gcaatcttat	ttattcctgc	agttatgtat	taagttttat	24600
ttccttaatt	caataaatat	tcaactgagt	ctcaataacg	cactgtggaa	gacgctgaaa	24660
aaccccaagg	ggaaaaaata	ttcttcgcca	aatggagctt	ataatctgtg	gatagaaaag	24720
gcacaaaagg	catgaattat	tacttcattt	tttctgtatt	ttaatcatta	cttcatcata	24780
tttaaatggc	tttgaagggt	catctatata	ctgattccag	tatttttcaag	agcacatcta	24840
atthgatgag	gatggaagat	tgtaaatgac	tcagaagctg	ggaaaatagg	tagaaactca	24900
aatgttgtaa	gaaatcacta	gaatgtttgc	atthtttccag	aggttcactc	cttctgttct	24960
aatacctgga	gtccagccag	gcacaaagca	agctggctga	ctactgcaga	aaggaatgct	25020
ggaacctctc	ttgctgacct	gcttcagag	tttcagcac	agctagccag	agacttccta	25080
tagacaatga	ggaaattcaa	aaacaaagaa	tgtagtagtt	tggctatttc	tctaggagcc	25140
cttggggatg	agactgagcc	atthttcctgc	agctggctgc	aaagcaggcc	actgaaaaag	25200
atcagtatga	aagaacaagg	catactgttg	gtatatgcgt	cactgtgggc	cagagctttt	25260
tgtcatagga	ttcagtcaaa	ctcaaatgc	aagatgaaag	tcatcctctt	tgtaacctgt	25320
ttaaaaataa	tacatagaaa	agaagtgaac	agaacctgt	tttccaaagt	cctgatgcta	25380
aaaatcacaa	aatcttaata	gttcttgagc	tggaaatgtg	gactgcttgg	cctgggatca	25440
agtctagaat	ttgatgttct	tggcaggtac	atcaagtggg	tagtatcagc	agagaagcta	25500
aggaaatact	gaagtccaag	gataaaggat	gattccctcc	ctgtaatggc	tttactctga	25560
gttacctact	gtgtgttgct	ctgggcttac	ttccaggcaa	ttctcatagg	tttgtggtta	25620
catgctggat	tttgggatga	gatgatcctg	agtttgaatc	caagctttga	gattatatgt	25680
taagtttctg	ggagggtattg	ggccagttac	ttaccttttc	tgaatatagg	tgtcctcctc	25740
tgtaaaatgg	atthacaata	ttactaactg	tatagagtag	ttgagaagct	taaatgagaa	25800
gaggcaggta	cgtttctcat	tacagagctt	taagggttgt	tgcactttta	aagcaatttt	25860
acatacttta	tttcattttag	ccttttttaac	aatcatgtga	atgatacgtg	atthaaactcaa	25920
ttttgtgtac	catagaactg	agaaagagga	atthtgaatc	gaaaatatca	taacttaaga	25980
tagtgtgaca	aaaatagtat	tccagtgctc	accaacttgc	tttctgaact	tgtctaattt	26040
taaagaccga	gaatatttga	aggaaacatg	cagcgcagtt	ccttcattgt	actggtgaag	26100
aatctgagct	cgatgtgtga	gagagaaaaga	aggcctgctg	gaccagaaca	caggtttctt	26160
tactacctat	ctgcagctgt	gccgctacat	tgtagatgat	gctatttggt	tttaagcata	26220
ttcagtgata	tattaagttg	cttcttttaga	tcttaaaaaa	aaaaaaaaca	actcataaag	26280
tgccgggcac	ggtggctcac	acctgtaatc	ccagcacttt	gggaggccga	gatgggtgga	26340
tcacgaggtc	aggagattga	gaccattctg	gctaacacag	tgaaaccccg	tctctactaa	26400
aaatacaaaa	aaattagccg	ggcgtagtgg	cgggcgcctg	tagtcccagc	tactcaggag	26460
gctgaggcag	gagaattgcg	tgaacctggg	aggcagaggt	tgcagtgagc	cgagatcgca	26520
cctctgcact	ccagcctggg	cgactaagca	agactctgtc	tccaaaaaaa	aaaaaaaaaa	26580
aacctcataa	agtaacaatt	ctatatgcag	cttatattag	agcagttttt	caaagaactt	26640
tctaggaccc	aaaatttttc	tgggagcatt	tttaaaagcc	gaatatctat	atatccatta	26700
cagatccttt	ctgaaataga	gttttgatcg	gggcataaaa	atthtgcattt	ttatcagggtt	26760
taccaatata	atattaagaa	tgagctaatt	aaaccattct	gtccttgagg	acagaaattg	26820
ggcactgtcc	ttcttttgct	ttcccacag	ttccagccag	aatttttaggc	acatactttc	26880
cactcagtta	actcactgaa	ttgaatagt	gtggaatcaa	attaaggcca	aatgttttaa	26940
ttatataaaa	atctatgaag	cacatgtata	gaggaaatcat	tttcaaagat	ataattttta	27000
caatttactg	tgaattacag	gcataattat	cctgccagat	atacttgtct	gcctagcaaa	27060
tatatgtata	tatgatactt	gtgaaatttg	atacatactt	cgcataatgta	ttatatataa	27120
gagacaaaaga	gggatagaga	gaggagaaaa				27150

<210> 21
 <211> 1188
 <212> DNA

<213> homo sapiens

<400> 21

atgtggctgc	cgcgctctc	cagcacagca	gtgaccgcgc	tcctcctggc	gcagaccttc	60
ctcctcctct	ttctggtttc	ccggccaggg	ccctcgcccc	cagcaggcgg	cgaggcgcgc	120
gtgcatgtgc	tgggtgctgc	ctcgtggcgc	tgggctcgt	ccttcgtggg	ccaactcttc	180
aaccagcacc	ccgacgtctt	ctacctaatg	gagcccgcg	ggcacgtgtg	gaccacctg	240
tcgcagggca	gcgccgcaac	gctgcacatg	gctgtgcgcg	acctgggtgcg	ctccgtcttc	300
ctgtgcgaca	tggacgtggt	tgatgcctat	ctgccttggc	gccgcaacct	gtccgacctc	360
ttccagtggg	ccgtgagccg	tgcactgtgc	tgcgcccccg	cctgcagtgc	ctttccccga	420
ggcgccatca	gcagcgaggc	cgtgtgcaag	ccactgtgcg	cgcggcagtc	cttcacctg	480
gccccgggag	cctgcccgtc	ctacagccac	gtggtgctca	aggagggtgcg	cttcttcaac	540
ctgcagggtgc	tctacccgct	gctcagcgac	cccgcgctca	acctacgcat	cgtgcacctg	600
gtgcgcgacc	cgcgggccgt	gctgcgctcc	cgggagcaga	cagccaaggc	tctggcgcgt	660
gacaacggca	tcgtgctggg	caccaacggc	acgtgggtgg	aggccgacct	cggcctgcgc	720
gtggtgcgcg	aggtgtgccg	tagccacgta	cgcatcgccg	aggccgccac	actcaagccg	780
ccaccctttc	tgcgcggccg	ctaccgctg	gtgcgcttcg	aggacctggc	gcgggagccg	840
ctggcagaaa	tccgtgcgct	ctacgccttc	actgggctca	gtctcacgcc	acagctcgag	900
gcctggatcc	ataacatcac	ccacggatct	ggacctggtg	cgcgccgcga	agccttcaag	960
acttcgtcca	ggaatgcgct	caacgtctcc	caggcctggc	gccatgcgct	gccctttgcc	1020
aagatccgcc	gcgtgcagga	actgtgcgct	ggtgcgctgc	agctgctggg	ctaccggcct	1080
gtgtactctg	aggacgagca	gcgcaacctc	gcccttgatc	tgggtgctgcc	acgaggcctg	1140
aacggcttca	cttgggcatc	atccaccgcc	tcgcaacccc	gaaattag		1188

<210> 22

<211> 3669

<212> DNA

<213> homo sapiens

<400> 22

atgcctaagg	gaggagctcc	cccatggatc	atggcgtaa	tgtttacagg	acatttacta	60
ttcttagcat	tattgatgtt	tgtttctct	acttttgagg	aatctgtgag	caattattcc	120
gaatgggcag	ttttcacaga	tgatatagat	cagtttaaaa	cacagaaagt	gcaagatttc	180
agacccaacc	aaaagctgaa	gaaaagtatg	cttcacccaa	gtttatat	tgatgctgga	240
gaaatccaag	caatgagaca	aaagtctcgt	gcaagccatt	tgcactttt	tagagctatc	300
agaagtgcag	tgacagttat	gctgtccaac	ccaacatact	acctacctcc	accaaagcat	360
gctgattttg	ctgccaaagt	gaatgaaatt	tatggtaaca	atctgcctcc	tttagcattg	420
tactgtttgt	tatgccccaga	agacaaagtt	gcctttgaat	ttgtcttgga	atatatggac	480
aggatggttg	gctacaaaga	ctggctagta	gagaatgcac	caggagatga	ggttccaatt	540
ggccattcct	taacagggtt	tgccactgcc	tttgactttt	tatataactt	attagataat	600
catcgaagac	aaaaatacct	ggaaaaaata	tgggttatta	ctgaggaaat	gtacgagtat	660
tccaagggtcc	gctcatgggg	caaacagctt	ctccataacc	accaagccac	taatatgata	720
gcattactca	caggggcctt	ggtgactgga	gtagataaag	gatctaaagc	aatatatagg	780
aaacaggctg	tagtggatgt	catggaaaag	acaatgtttc	tattgaatca	tattgttgat	840
ggttcctttg	atgaagggtg	ggcctatgga	agctacacag	ctaaatccgt	cacacagtat	900
gtttttctgg	cccagcgcca	ttttaatatc	aacaacttgg	ataataactg	gttaaagatg	960
cacttttggg	tctattatgc	caccctttta	cctggcttcc	aaagaactgt	gggtatagca	1020
gattccaatt	ataattgggt	ttatgggtcca	gaaagccagc	tagttttctt	ggataagttc	1080
atcttaaaga	atggagctgg	aaattgggtta	gctcagcaaa	ttagaaagca	ccgacctaaa	1140
gatggaccga	tgggtccctc	aactgcccac	aggtggagta	ctcttcacac	tgaatacatc	1200
tgggtatgatc	cccagctcac	accacagcca	cctgctgatt	atgggtactgc	aaaaatacac	1260
acattcccta	actgggggtg	ggttacttat	ggggctgggt	tgccaaacac	acagaccaac	1320
acctttgtgt	cttttaaatac	tgggaagctg	gggggacgag	ctgtgtatga	catagttcat	1380
tttcagccat	attcctggat	tgatgggtgg	agaagtttta	acccaggaca	tgagcatcca	1440

gatacagaact	cattttactttt	tgcccccaat	ggacaagtat	ttgtttctga	agctctctat	1500
ggacccaagt	tgagccacct	taacaatgta	ttgggttttg	ctccatcacc	ctcaagccag	1560
tgtaataagc	cctgggaagg	tcaactggga	gaatgtgcgc	agtggcttaa	gtggactggc	1620
gaggaggttg	gtgatgcagc	tggggaaata	atcactgcct	ctcaacatgg	ggaaatggta	1680
tttgtgagt	gggaagccgt	gtctgcttat	tcttcagcaa	tgagactgaa	aagtgtatat	1740
cgtgctttgc	ttctcttaaa	ttcccaaact	ctgctagtgt	ttgatcatat	tgagaggcaa	1800
gaagattccc	caataaattc	tgtcagtgcc	ttctttcata	atltggatat	tgattttaaa	1860
tatatcccat	ataagtttat	gaatagggtat	aatggtgcca	tgatggatgt	gtgggatgca	1920
cattacaaaa	tgttttgggt	tgatcatcat	ggcaatagtc	ccatggccag	tatacaggaa	1980
gcagagcaag	ctgctgaatt	taaaaaacga	tggactcaat	ttgttaatgt	tactttttcag	2040
atggaatcca	caatcacaa	aattgcata	gtcttttatg	ggccatatat	caatgtctcc	2100
agctgcagat	ttattgatag	ttccaatcct	ggacttcaga	tttctctcaa	tgtcaataat	2160
actgaacatg	ttgtttctat	tgtaactgat	taccataacc	tgaagacaag	attcaattat	2220
ctgggattcg	gtggctttgc	cagtgtggct	gatcaaggcc	aaataaccgc	atttggtttg	2280
ggcactcaag	caatagtaaa	gcctgtaa	catgatagga	ttattttccc	ctttggattt	2340
aaattttaata	tagcagttgg	attaattttg	tgcattagct	tgggtgattt	aactttccaa	2400
tggcgttttt	acctttcttt	tagaaaacta	atgcgatgga	tattaatact	tgttattgcc	2460
ttgtggttta	ttgagctttt	ggatgtgtgg	agcacttgta	gtcagcccat	ttgtgcaaaa	2520
tggacaagga	cagaggctga	gggaagcaag	aagtctttgt	cttctgaagg	gcaccacatg	2580
gatcttcctg	atgttgtcat	tacctcactt	cctggttcag	gagctgaaat	tctcaaacaa	2640
cttttttttca	acagtagtga	ttttctctac	atcagggttc	ctacagccta	cattgatatt	2700
cctgaaactg	agttggaaat	cgactcattt	gtagatgctt	gtgaatggaa	gggtgtcagat	2760
atccgcagtg	ggcatttttcg	tttactccga	ggctggttgc	agtctttagt	ccaggacaca	2820
aaattacatt	tgcaaaacat	ccatctgcat	gaaccaata	ggggtaaact	ggcccaatat	2880
tttgcaatga	ataaggacaa	aaaaagaaaa	tttaaaagga	gagagtcttt	gccagaacaa	2940
agaagtcaaa	tgaaaggcgc	ctttgataga	gatgctgaat	atattagggc	tttgaggaga	3000
cacctggttt	actatccaag	tgcacgtcct	gtgctcagtt	taagcagtg	aagctggacg	3060
ttaaagcttc	atlttttttca	ggaagtttta	ggagcttcga	tgagggcatt	gtacatagta	3120
agagaccctc	gggcatggat	ttattcaatg	ttgtacaata	gtaaaccaag	tctttattct	3180
ttgaagaatg	taccagagca	tttagcaaaa	ttgtttaaaa	tagaggagg	taaaggcaaa	3240
tgtaacttaa	attcgggtta	tgttttcgag	tatgaaccat	tgaggaaaga	attatcaaaa	3300
tccaaatcaa	atgcagtgtc	cctcttgtct	cacttgtggc	tagcaaatac	agcagcagcc	3360
ttgagaataa	atacagattt	gctgcctact	agctaccagc	tgggtcaagtt	tgaagatatt	3420
gtgcattttc	ctcagaaaa	tactgaaagg	atltttgcct	ttcttggaat	tcttttgtct	3480
cctgctagtt	taaaccaa	attgtttgcc	acctctacaa	acctttttta	ccttccctat	3540
gaaggggaaa	tatcaccaac	taataactaat	gtttggaaac	agaacttgcc	tagagatgaa	3600
attaaactaa	ttgaaaacat	ctgctggact	ctgatggatc	gcctaggata	tccaaagttt	3660
atggactaa						3669

<210> 23

<211> 3624

<212> DNA

```
<213> mouse
```

<400> 23

atggcgcttta	tgtttacaga	acatttacta	tttttaacat	tgatgatgtg	tagtttttct	60
acttgtgaag	aatctgtgag	caattattct	gaatgggcag	ttttcacaga	cgatatacaa	120
tggcttaagt	cacagaaaat	acaagatttc	aaactcaacc	gaagacttca	tccaaattta	180
tattttgatg	ctggagatat	acaaacattg	aaacaaaagt	ctcgtacaag	ccatttgcac	240
attttttagag	ctatcaaaaag	tgcagtgaca	attatgctgt	ccaatccatc	atactacctt	300
cctccaccca	agcatgctga	gtttgctgcc	aagtggaaatg	aaatttatgg	taataatctt	360
cctccttttag	cattgtattg	tttattatgc	ccagaagaca	aggttgccct	tgaatttggt	420
atggaataca	tggatcggat	ggtttagctac	aaagactggc	tagttgagaa	tgcaccaggg	480
gatgagggttc	cagttggcca	ttctttaaca	ggttttgcca	ctgcctttga	cttttttatat	540

aatctattag	gtaatcagoc	taaacaaaaa	tacctagaaa	aaatttggat	tgttactgag	600
gaaatgtatg	aatattccaa	gattcgatca	tggggcaaac	aacttcttca	taaccatcaa	660
gctacaaata	tgatagcttt	actcataggg	gccttggtta	ctggagtaga	taaaggatct	720
aaagcaaaca	tatggaaaca	agttgttggt	gatgtgatgg	aaaagactat	gtttctcttg	780
aagcatattg	tagatggctc	attggatgaa	ggtgtggcct	atggaagcta	tacctcaaaa	840
tcagttacac	agtatgtttt	tttggcacaa	cgccatttta	acatcaacaa	ctttgataat	900
aactggctaa	aaatgcattt	ttggttttat	tatgctacac	ttttgccagg	ctatcaaaga	960
actgtaggca	tagcagattc	caattataat	tggttttatg	gtccagagag	ccagctagtt	1020
ttcttggtata	agttcatttt	acagaatgga	gctggaaatt	ggtagctca	gcaaattaga	1080
aagcatcgac	ctaaggatgg	accaatgggt	ccttccactg	ctcagcggtg	gagtactctt	1140
catactgaat	acatctggta	tgatccaaca	ctcaccacc	agcctcctgt	tgattttggc	1200
actgcaaaaa	tgcacacatt	tcctaactgg	ggtgtcgtga	cttatggggg	tgggctgcca	1260
aacaccacaga	ccaatacctt	tgtgtctttt	aaatctggga	aactgggagg	acgagctgtg	1320
tatgacatag	ttcactttca	gccatattcc	tggattgatg	gatggagaag	ctttaacccta	1380
ggacatgaac	atccagatca	aaattcattt	actttcgctc	ctaattgggca	ggttattcgtt	1440
tctgaggctc	tttatggacc	aaaattgagc	caccttaaca	acgtattggg	gtttgcccc	1500
tcaccatcaa	gtcaatgtaa	tcagccctgg	gaagggtcaac	tgggagaatg	tgcacagtgg	1560
ctcaagtgga	ctggggaaga	ggttgggtgat	gcagctgggg	aagttattac	tgctgtctcaa	1620
catggtgata	ggatgtttgt	gagtggggaa	gcagtgctctg	cttattcttc	tgccatgaga	1680
ctgaaaagtg	tctatcgtgc	tttacttctt	ttaaattcac	aaactctgct	tgttgtcgat	1740
catattgaaa	ggcaagaaac	ttccccata	aattctgtca	gtgccttctt	tcataatttg	1800
gatattgatt	ttaaatacat	cccatacaag	tttatgaata	gatataatgg	tgccatgatg	1860
gatgtgtggg	atgcacacta	taaaatgttt	tggtttgatc	accatggcaa	cagtctgtgtg	1920
gctaataatac	aggaagcaga	acaggctgct	gaatttaaga	aacgggtggac	acagtttgtt	1980
aatgtttacat	ttcatatgga	atccacaatc	acaagaattg	cttatgtatt	ttatgggcca	2040
tatgtcaatg	tttccagctg	cagattttatt	gatagttcca	gttctggact	tcagatttct	2100
ttacatgtca	acagtactga	acatagtgtg	tctgttgtaa	ctgactatca	aaaccttaaa	2160
agcagattca	gttacctggg	at ttgggtgg	tttgccagt	tggctaataca	aggacagata	2220
accagatttg	gtttgggtac	tcaagaaata	gtaaaccctg	taagacatga	taaagttaat	2280
ttcccccttg	ggtttaaatt	taatatagca	gttggattca	ttttgtgat	tagtttggtt	2340
at ttttaactt	ttcaatggcg	gttttacctt	tccttttagaa	agctaattcg	ctgtgtatta	2400
atacttgtta	ttgccttggt	gtttattgag	cttctggatg	tatggagtag	atgcactcag	2460
cccactctgtg	caaaatggac	aaggactgaa	gctaaggcaa	atgagaagg	catgat t tct	2520
gaagggcatc	atgtggatct	tcctaattgt	attattacct	cactccctgg	ttcaggagct	2580
gaaatttctca	aacagctttt	tttcaacagc	agtgattttc	tctacatcag	aattcctaca	2640
gcctacatgg	atatccctga	aactgaattt	gaaattgact	catttgtaga	tgcttggtgag	2700
tggaaagtat	cagatatccg	cagtgggcac	tttcatcttc	ttcgagggtg	gctgcagtct	2760
ttgggtccagg	atacaaaaact	tcacttgcaa	aacatccatc	tacatgaaac	cagtaggagt	2820
aaactggccc	aatatttttac	aactaataag	gacaaaaagc	gaaaatttaa	aagaaggagg	2880
tctttgcaag	atcaaagaag	tagaataaaa	ggaccatttg	atagagatgc	tgaatatatt	2940
agggcttttaa	gaagacacct	tgttttattac	ccaagtgcac	gtcctgtgct	cagcttaagt	3000
agtggtagct	ggacattgaa	gcttcatttt	tttcaggaag	ttttaggaac	ttcaatgcgg	3060
gcattgtaca	tāgtaagaga	ccctcgāgct	tggatctatt	cagtgtctata	tggtagtaaa	3120
ccaagtcttt	attcttttgaa	gaatgtacca	gagcacttag	caaaattgtt	taaaatagag	3180
gaaggtaaaa	gcaaattgtaa	ttcgaattct	ggctatgctt	ttgagtatga	atcactgaag	3240
aaagaattag	aaatatccca	atcaaatgct	atctccttat	tatctcattt	gtgggtagca	3300
aacactgcag	cagccttgag	aataaatata	gatttgctgc	ctaccaatta	ccatctggct	3360
aagtttgaag	atattgttca	ttttcctcag	aagactactg	aaaggatttt	tgctttcctt	3420
ggcatttcctt	tgtctcctgc	tagttttaa	caaatgctat	ttgccacttc	cacaaacctt	3480
ttttatcttc	catatgaggg	ggaaatatca	ccatctaata	ctaataatttg	gaaaacaaac	3540
ttgcctagag	atgaaattaa	actaattgaa	aacatttgct	ggacactgat	ggatcatcta	3600
ggatatccaa	agtttatgga	ctaa				3624